

# FMM13A Parameter list

[Main Page](#) > [Advanced Trackers](#) > [FMM13A](#) > [FMM13A Manual](#) > **FMM13A Parameter list**



## Contents

- [1 System parameters](#)
- [2 GPRS parameters](#)
- [3 SMS/Call settings](#)
- [4 GSM operators](#)
- [5 Data acquisition mode parameters](#)
  - [5.1 Home Network GSM operator code "Vehicle on STOP" parameters](#)
  - [5.2 Home Network GSM operator code "Vehicle MOVING" parameters](#)
  - [5.3 Roaming Network GSM operator code "Vehicle on STOP" parameters](#)
  - [5.4 Roaming Network GSM operator code "Vehicle MOVING" parameters](#)
  - [5.5 Unknown Network GSM operator code "Vehicle on STOP" parameters](#)
  - [5.6 Unknown Network GSM operator code "Vehicle MOVING" parameters](#)
- [6 Features parameters](#)
  - [6.1 Green driving parameters](#)
  - [6.2 Overspeeding scenario parameters](#)
  - [6.3 Jamming scenario parameters](#)
  - [6.4 Immobilizer scenario parameters](#)
  - [6.5 DOUT control via call scenario parameters](#)
  - [6.6 DOUT 1 Output type](#)
  - [6.7 iButton read notification](#)
- [7 Trip/Odometer](#)
  - [7.1 Trip scenario parameters](#)
  - [7.2 Advanced trip scenario parameters](#)
  - [7.3 Odometer parameters](#)
  - [7.4 Private/Business mode scenario parameters](#)
  - [7.5 Weekly Schedule parameters](#)
  - [7.6 Daylight saving scenario parameters](#)
  - [7.7 Weekly schedule scenario parameters](#)
- [8 AutoGeofencing scenario parameters](#)
- [9 Manual Geofence](#)
- [10 GPS Fuel counter](#)
- [11 Accelerometer features](#)
  - [11.1 Unplug Detection](#)
  - [11.2 Towing Detection](#)
  - [11.3 Crash Detection](#)
  - [11.4 Excessive Idling](#)
- [12 Bluetooth](#)
- [13 Bluetooth 4.0](#)
  - [13.1 Common Settings](#)
  - [13.2 BLE functionalities Connection #1](#)
  - [13.3 BLE functionalities Connection #2](#)
  - [13.4 BLE functionalities Connection #3](#)

- [13.5 BLE functionalities Connection #4](#)
- [14 Beacon List Parameters](#)
- [15 Tracking on Demand](#)
- [16 iButton List](#)
- [17 I/O parameters](#)
  - [17.1 Parameters](#)
- [18 OBD II \(Bluetooth\)](#)
- [19 LVCAN](#)
- [20 RS232/RS485](#)

## System parameters

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Parameter name               |
|--------------|----------------|---------------|-------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|              |                |               | Min         | Max |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |
| 138          | Uint8          | 0             | 0           | 8   | 1 - Ignition<br>2 - Accelerometer<br>4 - GNSS<br>8 - CAN Speed                                                                                                                                                                                                                                                                                                                                                                                                                 | Movement source              |
| 133          | Uint8          | 0             | 0           | 1   | 0 - GNSS<br>1 - OBD / CAN                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Speed Source                 |
| 106          | Uint8          | 1             | 0           | 1   | 0 - Disable<br>1 - Enable                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Static navigation            |
| 112          | Uint8          | 1             | 0           | 3   | 1 - Movement<br>2 - Ignition<br>3 - Movement and Ignition                                                                                                                                                                                                                                                                                                                                                                                                                      | Static navigation source     |
| 107          | Uint8          | 2             | 0           | 2   | 0 - After Position Fix<br>1 - Always<br>2 - After Time Sync                                                                                                                                                                                                                                                                                                                                                                                                                    | Send/Save records without TS |
| 108          | Uint8          | 1             | 0           | 1   | 0 - Disable<br>1 - Enable                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LED Indication               |
| 109          | Uint8          | 10            | 1           | 15  | 0 - Undefined<br>1 - Beidou only<br>2 - Glonass only<br>3 - Glonass and Beidou not allowed<br>4 - Galileo only<br>5 - Galileo and Beidou<br>6 - Galileo and Glonass<br>7 - Galileo, Glonass and Beidou not allowed<br>8 - Gps only<br>9 - Gps and Beidou<br>10 - Gps and Glonass<br>11 - Gps, Glonass and Beidou not allowed<br>12 - Gps and Galileo<br>13 - Gps, Galileo and Beidou<br>14 - Gps, Galileo and Glonass<br>15 - Gps, Galileo, Glonass and Beidou and not allowed | GNSS source                  |

|     |       |   |   |   |                                        |                     |
|-----|-------|---|---|---|----------------------------------------|---------------------|
| 110 | UInt8 | 0 | 0 | 1 | 0 - On need<br>1 - After ignition on   | Battery charge mode |
| 113 | UInt8 | 0 | 0 | 1 | 0 - Codec 8<br>1 - Codec 8<br>Extended | Data Protocol       |
| 135 | UInt8 | 0 | 0 | 1 | 0 - DIN2/AIN1<br>1 - Ground Sense      | Input mode          |

| Parameter ID | Parameter Type | Default value | Value range |      | Value                                                                                                                                                        | Parameter name |
|--------------|----------------|---------------|-------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|              |                |               | Min         | Max  |                                                                                                                                                              |                |
| 102          | UInt8          | 2             | 0           | 4    | 0 - Disable<br>1 - GPS sleep<br>2 - Deep sleep<br>3 - Online Deep sleep<br>4 - Ultra Deep sleep<br>6 - Power Off sleep<br>(only for <a href="#">FMB965</a> ) | Sleep settings |
| 103          | UInt16         | 1             | 1           | 3000 | Minutes                                                                                                                                                      | Timeout        |

| Parameter ID | Parameter Type | Default value | Value range |       | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Parameter name    |
|--------------|----------------|---------------|-------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
|              |                |               | Min         | Max   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |
| 101          | UInt8          | 4             | 1           | 14    | 1 - DIN 1<br>2 - Accelerometer<br>3 - Digital Input or Accelerometer<br>4 - Power Voltage<br>5 - Digital Input or Power Voltage<br>6 - Accelerometer or Power Voltage<br>7 - Digital Input, Accelerometer, or Power Voltage<br>8 - Engine RPM<br>9 - Digital Input or Engine RPM<br>10 - Accelerometer or Engine RPM<br>11 - Digital Input, Accelerometer or Engine RPM<br>12 - Power Voltage or Engine RPM<br>13 - Digital Input, Power Voltage or Engine RPM<br>14 - Accelerometer, Power Voltage or Engine RPM | Ignition settings |
| 104          | UInt16         | 30000         | 0           | 30000 | mV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | High voltage      |
| 105          | UInt16         | 13200         | 0           | 29999 | mV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Low voltage       |

| Parameter ID | Parameter Type | Default value | Value range |     | Value   | Parameter name       |
|--------------|----------------|---------------|-------------|-----|---------|----------------------|
|              |                |               | Min         | Max |         |                      |
| 19001        | UInt16         | 5             | 1           | 60  | Seconds | Movement Start Delay |
| 19002        | UInt16         | 60            | 5           | 300 | Seconds | Movement Stop Delay  |

| Parameter ID | Parameter Type | Default value | Value range |     | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|-------|----------------|
|              |                |               | Min         | Max |       |                |

|            |       |                     |   |    |                                                         |                          |
|------------|-------|---------------------|---|----|---------------------------------------------------------|--------------------------|
| <b>900</b> | UInt8 | 1                   | 0 | 3  | 0 - Gps only<br>1 - NITZ and NTP<br>2 - NTP<br>3 - NITZ | Synchronization settings |
| <b>901</b> | UInt8 | 0                   | 0 | 24 | Hours                                                   | NTP Resync               |
| <b>902</b> | Char  | "avl1.teltonika.lt" | 0 | 55 | String                                                  | NTP server 1             |
| <b>903</b> | Char  | "pool.ntp.org"      | 0 | 55 | String                                                  | NTP server 2             |

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                      | Parameter name                 |
|--------------|----------------|---------------|-------------|-----|--------------------------------------------|--------------------------------|
|              |                |               | Min         | Max |                                            |                                |
| <b>169</b>   | UInt8          | 2             | 0           | 2   | 0 - Disabled<br>1 - Once<br>2 - Continuous | Accelerometer Auto Calibration |
| <b>170</b>   | UInt8          | 1             | 0           | 1   | 0 Disabled<br>1 Enabled                    | Gravity Filter                 |

## GPRS parameters

| Parameter ID | Parameter Type | Default value | Value range |        | Value                    | Parameter name       |
|--------------|----------------|---------------|-------------|--------|--------------------------|----------------------|
|              |                |               | Min         | Max    |                          |                      |
| <b>1000</b>  | UInt32         | 300           | 30          | 259200 | Seconds                  | Open link timeout    |
| <b>1001</b>  | UInt16         | 30            | 5           | 300    | Seconds                  | Response timeout     |
| <b>1002</b>  | UInt8          | 0             | 0           | 1      | 0 - Newest<br>1 - Oldest | Sort by              |
| <b>1003</b>  | UInt16         | 0             | 0           | 300    | Seconds                  | Network ping timeout |

| Parameter ID | Parameter Type | Default value | Value range |     | Value                     | Parameter name |
|--------------|----------------|---------------|-------------|-----|---------------------------|----------------|
|              |                |               | Min         | Max |                           |                |
| <b>2000</b>  | UInt8          | 1             | 0           | 1   | 0 - Disable<br>1 - Enable | GPRS context   |
| <b>2001</b>  | Char           | ""            | 0           | 32  | String                    | APN            |
| <b>2002</b>  | Char           | ""            | 0           | 32  | String                    | APN username   |
| <b>2003</b>  | Char           | ""            | 0           | 32  | String                    | APN password   |

| Parameter ID | Parameter Type | Default value | Value range |       | Value              | Parameter name |
|--------------|----------------|---------------|-------------|-------|--------------------|----------------|
|              |                |               | Min         | Max   |                    |                |
| <b>2004</b>  | Char           | ""            | 0           | 55    | String             | Domain         |
| <b>2005</b>  | UInt16         | 0             | 0           | 65535 | Number             | Port           |
| <b>2006</b>  | UInt8          | 1             | 0           | 1     | 0 - TCP<br>1 - UDP | Protocol       |

| Parameter ID | Parameter Type | Default value | Value range |       | Value                                                  | Parameter name         |
|--------------|----------------|---------------|-------------|-------|--------------------------------------------------------|------------------------|
|              |                |               | Min         | Max   |                                                        |                        |
| <b>2010</b>  | UInt8          | 0             | 0           | 3     | 0 - Disable<br>1 - Backup<br>2 - Duplicate<br>3 - EGTS | Backup Server Mode     |
| <b>2007</b>  | Char           | ""            | 0           | 55    | String                                                 | Backup Server Domain   |
| <b>2008</b>  | UInt16         | 0             | 0           | 65535 | Number                                                 | Backup Server Port     |
| <b>2009</b>  | UInt8          | 0             | 0           | 1     | 0 - TCP<br>1 - UDP                                     | Backup Server Protocol |

| Parameter ID | Parameter Type | Default value   | Value range |       | Value                     | Parameter name  |
|--------------|----------------|-----------------|-------------|-------|---------------------------|-----------------|
|              |                |                 | Min         | Max   |                           |                 |
| <b>13003</b> | UInt8          | 1               | 0           | 1     | 0 - Disable<br>1 - Enable | FOTA WEB Status |
| <b>13000</b> | Char           | fm.teltonika.lt | 0           | 55    | String                    | FOTA WEB Domain |
| <b>13001</b> | UInt16         | 5000            | 0           | 65535 | Number                    | FOTA WEB Port   |
| <b>13002</b> | UInt16         | 720             | 30          | 65535 | Number                    | FOTA WEB Period |

## SMS/Call settings

| Parameter ID | Parameter Type | Default value | Value range |     | Value                     | Parameter name         |
|--------------|----------------|---------------|-------------|-----|---------------------------|------------------------|
|              |                |               | Min         | Max |                           |                        |
| 3000         | UInt8          | 0             | 0           | 1   | 0 - Disable<br>1 - Enable | Allow SMS data sending |
| 3001         | Char           | ""            | 0           | 16  | String                    | Data Send Number       |

| Parameter ID | Parameter Type | Default value | Value range         |     | Value     | Parameter name      |
|--------------|----------------|---------------|---------------------|-----|-----------|---------------------|
|              |                |               | Min                 | Max |           |                     |
| 3003         | Char           | ""            | 0                   | 5   | String    | Login               |
| 3004         | Char           | ""            | 0                   | 5   | String    | Password            |
| 3006         | UInt16         | UTC+00:00     | UTC-12:00 UTC+13:00 |     | Time zone | SMS event Time Zone |

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                                                  | Parameter name       |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------------------------------|----------------------|
|              |                |               | Min         | Max |                                                                                        |                      |
| 3005         | UInt8          | 0             | 0           | 4   | 0 - Do nothing<br>1 - Hangup<br>2 - Report position<br>3 - Spy call<br>4 - Auto answer | Incoming call action |

| Parameter ID | Parameter Type | Default value | Value range |                  | Value                                                                                                                                                                 | Parameter name        |
|--------------|----------------|---------------|-------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|              |                |               | Min         | Max              |                                                                                                                                                                       |                       |
| 3007         | UInt8          | 0             | 0           | 7 (3 for FMB125) | 0 - Disable<br>1 - DIN1<br>2 - Crash event<br>3 - DIN1 and Crash event<br>4 - DIN2<br>5 - DIN1 and DIN2<br>6 - DIN2 and Crash event<br>7 - DIN1, DIN2 and Crash event | Outgoing call trigger |
| 3008         | UInt8          | 0             | 0           | 10               | GSM number                                                                                                                                                            | GSM number index      |

| Parameter ID | Parameter Type | Default value | Value range |     | Value  | Parameter name    |
|--------------|----------------|---------------|-------------|-----|--------|-------------------|
|              |                |               | Min         | Max |        |                   |
| 4000-4199    | Char           | ""            | 0           | 16  | String | Authorized number |

| Parameter ID | Parameter Type | Default value | Value range |     | Value  | Parameter name    |
|--------------|----------------|---------------|-------------|-----|--------|-------------------|
|              |                |               | Min         | Max |        |                   |
| 6000-6009    | Char           | ""            | 0           | 16  | String | Predefined number |

## GSM operators

| Parameter ID | Parameter Type | Default value | Value range |        | Value  | Parameter name                  |
|--------------|----------------|---------------|-------------|--------|--------|---------------------------------|
|              |                |               | Min         | Max    |        |                                 |
| 5000-5049    | UInt32         | 0             | 0           | 999999 | Number | SIM1 roaming operator list      |
| 9500-9549    | UInt32         | 0             | 0           | 999999 | Number | SIM2 roaming/home operator list |
| 5500-5549    | UInt32         | 0             | 0           | 999999 | Number | Operator blacklist              |

## Data acquisition mode parameters

### Home Network GSM operator code "Vehicle on STOP" parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Parameter name    |
|--------------|----------------|---------------|-------------|---------|-------------------|
|              |                |               | Min         | Max     |                   |
| 10000        | Uint16         | 3600          | 0           | 2592000 | Min Period        |
| 10004        | Uint8          | 1             | 1           | 255     | Min Saved Records |
| 10005        | Uint16         | 120           | 0           | 2592000 | Send Period       |

## Home Network GSM operator code "Vehicle MOVING" parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Parameter name    |
|--------------|----------------|---------------|-------------|---------|-------------------|
|              |                |               | Min         | Max     |                   |
| 10050        | Uint16         | 300           | 0           | 2592000 | Min Period        |
| 10051        | Uint16         | 100           | 0           | 65535   | Min Distance      |
| 10052        | Uint8          | 10            | 0           | 180     | Min Angle         |
| 10053        | Uint8          | 10            | 0           | 100     | Min Speed Delta   |
| 10054        | Uint8          | 1             | 1           | 255     | Min Saved Records |
| 10055        | Uint16         | 120           | 0           | 2592000 | Send Period       |

## Roaming Network GSM operator code "Vehicle on STOP" parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Parameter name    |
|--------------|----------------|---------------|-------------|---------|-------------------|
|              |                |               | Min         | Max     |                   |
| 10100        | Uint16         | 3600          | 0           | 2592000 | Min Period        |
| 10104        | Uint8          | 1             | 1           | 255     | Min Saved Records |
| 10105        | Uint16         | 0             | 0           | 2592000 | Send Period       |

## Roaming Network GSM operator code "Vehicle MOVING" parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Parameter name    |
|--------------|----------------|---------------|-------------|---------|-------------------|
|              |                |               | Min         | Max     |                   |
| 10150        | Uint16         | 300           | 0           | 2592000 | Min Period        |
| 10151        | Uint16         | 100           | 0           | 65535   | Min Distance      |
| 10152        | Uint8          | 10            | 0           | 180     | Min Angle         |
| 10153        | Uint8          | 10            | 0           | 100     | Min Speed Delta   |
| 10154        | Uint8          | 1             | 1           | 255     | Min Saved Records |
| 10155        | Uint16         | 0             | 0           | 2592000 | Send Period       |

## Unknown Network GSM operator code "Vehicle on STOP" parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Parameter name    |
|--------------|----------------|---------------|-------------|---------|-------------------|
|              |                |               | Min         | Max     |                   |
| 10200        | Uint16         | 3600          | 0           | 2592000 | Min Period        |
| 10204        | Uint8          | 1             | 1           | 255     | Min Saved Records |
| 10205        | Uint16         | 120           | 0           | 2592000 | Send Period       |

## Unknown Network GSM operator code "Vehicle MOVING" parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Parameter name    |
|--------------|----------------|---------------|-------------|---------|-------------------|
|              |                |               | Min         | Max     |                   |
| 10250        | Uint16         | 300           | 0           | 2592000 | Min Period        |
| 10251        | Uint16         | 100           | 0           | 65535   | Min Distance      |
| 10252        | Uint8          | 10            | 0           | 180     | Min Angle         |
| 10253        | Uint8          | 10            | 0           | 100     | Min Speed Delta   |
| 10254        | Uint8          | 1             | 1           | 255     | Min Saved Records |
| 10255        | Uint16         | 0             | 0           | 2592000 | Send Period       |

## Features parameters

### Green driving parameters

| Parameter ID | Parameter Type | Default value   | Value range |                  | Value                                                                      | Parameter name    |
|--------------|----------------|-----------------|-------------|------------------|----------------------------------------------------------------------------|-------------------|
|              |                |                 | Min         | Max              |                                                                            |                   |
| 11000        | Uint8          | 0               | 0           | 3                | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings |
| 11004        | Uint8          | 2.5             | 0.5         | 10               | m/s <sup>2</sup>                                                           | Max acceleration  |
| 11005        | Uint8          | 2.7             | 0.5         | 10               | m/s <sup>2</sup>                                                           | Max braking       |
| 11006        | Uint8          | 3.4             | 0.5         | 10               | m/s <sup>2</sup>                                                           | Max cornering     |
| 11007        | Uint8          | 0               | 0           | 1                | 0 - GPS<br>1 - Accelerometer                                               | Source            |
| 11008        | uint8          | 0               | 0           | 1                | Enable/Disable                                                             | Duration          |
| 11003        | Uint8          | 0               | 0           | 2 (1 for FMB125) | 0 - None<br>1 - DOUT 1<br>2 - DOUT 2                                       | Output control    |
| 11001        | Int32          | 200             | 100         | 5000             | Milliseconds                                                               | DOUT ON duration  |
| 11002        | Int32          | 200             | 0           | 5000             | Milliseconds                                                               | DOUT OFF duration |
| 7034         | Uint8          | 0               | 0           | 10               | Phone number                                                               | Send SMS to       |
| 8034         | String         | "Green Driving" | 0           | 160              | Text                                                                       | Sms text          |

### Overspeeding scenario parameters

| Parameter ID | Parameter Type | Default value  | Value range |                  | Value                                                                      | Parameter name    |
|--------------|----------------|----------------|-------------|------------------|----------------------------------------------------------------------------|-------------------|
|              |                |                | Min         | Max              |                                                                            |                   |
| 11100        | Uint8          | 0              | 0           | 3                | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings |
| 11104        | Uint16         | 90             | 0           | 260              | km/h                                                                       | Max speed         |
| 11103        | Uint8          | 0              | 0           | 2 (1 for FMB125) | 0 - None<br>1 - DOUT 1<br>2 - DOUT 2                                       | Output control    |
| 11101        | Int32          | 200            | 100         | 5000             | Milliseconds                                                               | DOUT ON duration  |
| 11102        | Int32          | 200            | 0           | 5000             | Milliseconds                                                               | DOUT OFF duration |
| 7032         | Uint8          | 0              | 0           | 10               | Phone number                                                               | Send SMS to       |
| 8032         | String         | "Overspeeding" | 0           | 160              | Text                                                                       | Sms text          |

## Jamming scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |                  | Value                                                                      | Parameter name    |
|--------------|----------------|---------------|-------------|------------------|----------------------------------------------------------------------------|-------------------|
|              |                |               | Min         | Max              |                                                                            |                   |
| 11300        | Uint8          | 0             | 0           | 3                | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings |
| 11303        | Uint8          | 1             | 0           | 1                | 0 - Disable<br>1 - Enable                                                  | Eventual records  |
| 11304        | Uint8          | 0             | 0           | 2 (1 for FMB125) | 0 - None<br>1 - DOUT1<br>2 - DOUT2                                         | Output control    |
| 11301        | Int32          | 200           | 100         | 5000             | Milliseconds                                                               | DOUT ON duration  |
| 11302        | Int32          | 200           | 0           | 5000             | Milliseconds                                                               | DOUT OFF duration |
| 11305        | Uint16         | 60            | 0           | 65535            | Seconds                                                                    | Timeout           |

## Immobilizer scenario parameters

| Parameter ID | Parameter Type | Default value               | Value range |                  | Value                                                                      | Parameter name                 |
|--------------|----------------|-----------------------------|-------------|------------------|----------------------------------------------------------------------------|--------------------------------|
|              |                |                             | Min         | Max              |                                                                            |                                |
| 11700        | Uint8          | 0                           | 0           | 3                | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings              |
| 11701        | Uint8          | 1                           | 0           | 1                | 0 - Disable<br>1 - Enable                                                  | Eventual records               |
| 11702        | Uint8          | 0                           | 0           | 2 (1 for FMB125) | 0 - Disable<br>1 - Enable (DOUT 1)<br>2 - Enable (DOUT 2)                  | Output control                 |
| 11703        | Uint8          | 0                           | 0           | 1                | 0 - Disable<br>1 - Enable                                                  | iButton list check             |
| 7140         | Uint8          | 0                           | 0           | 10               | Phone number                                                               | Send SMS to                    |
| 8140         | String         | "Immobilizer"               | 0           | 160              | Text                                                                       | Sms text                       |
| 60068        | Uint16         | 30                          | 1           | 65535            | Seconds                                                                    | Ignition Off timeout           |
| 60076        | Uint8          | 0                           | 0           | 1                | 0 - Disable<br>1 - Enable                                                  | Alcotester Check               |
| 60077        | Double         | 0.4                         | 0           | 4                | %                                                                          | BAC Threshold                  |
| 11708        | Uint8          | 1                           | 0           | 1                | 0 - Disable<br>1 - Enable                                                  | Blood Alcohol<br>Content Event |
| 7268         | Uint8          | 0                           | 0           | 10               | Phone number                                                               | Send SMS to                    |
| 8268         | String         | "Blood" Alcohol<br>Content" | 0           | 160              | Text                                                                       | Sms text                       |

## DOUT control via call scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |                  | Value                                | Parameter name            |
|--------------|----------------|---------------|-------------|------------------|--------------------------------------|---------------------------|
|              |                |               | Min         | Max              |                                      |                           |
| 12000        | Uint8          | 0             | 0           | 2 (1 for FMB125) | 0 - None<br>1 - DOUT 1<br>2 - DOUT 2 | Digital Output<br>control |



|       |       |   |   |                  |                                                 |                   |
|-------|-------|---|---|------------------|-------------------------------------------------|-------------------|
| 12001 | UInt8 | 0 | 0 | 3 (1 for FMB125) | 0 - None<br>1 - DIN 1<br>2 - DIN 2<br>3 - DIN 3 | DOUT deactivation |
| 12002 | Int32 | 5 | 0 | 2147483647       | Seconds                                         | Duration timeout  |

## DOUT 1 Output type

| Parameter ID | Parameter Type | Default value | Value range |     | Value                      | Parameter name         |
|--------------|----------------|---------------|-------------|-----|----------------------------|------------------------|
|              |                |               | Min         | Max |                            |                        |
| 60067        | UInt8          | 0             | 0           | 1   | 0 - Normal<br>1 - Inverted | Digital Output control |

## iButton read notification

| Parameter ID | Parameter Type | Default value | Value range |       | Value                                                                             | Parameter name            |
|--------------|----------------|---------------|-------------|-------|-----------------------------------------------------------------------------------|---------------------------|
|              |                |               | Min         | Max   |                                                                                   |                           |
| 11704        | UInt8_t        | 0             | 0           | 3     | 0 - Disabled<br>1 - DOUT 1<br>2 - DOUT 2 (FMB120)<br>3 - DOUT 3 (only for FMB130) | Digital Output control    |
| 11705        | UInt16_t       | 200           | 100         | 50000 | Milliseconds                                                                      | DOUT duration             |
| 11706        | UInt8_t        | 0             | 0           | 1     | 0 - Disabled<br>1 - Enabled                                                       | iButton notification list |
| 11707        | UInt8_t        | 0             | 0           | 1     | 0 - Disabled<br>1 - Enabled                                                       | Depend on ignition        |

## Trip/Odometer

### Trip scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |       | Value                                                                      | Parameter name       |
|--------------|----------------|---------------|-------------|-------|----------------------------------------------------------------------------|----------------------|
|              |                |               | Min         | Max   |                                                                            |                      |
| 11800        | UInt8          | 0             | 0           | 3     | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings    |
| 11801        | UInt8          | 1             | 0           | 1     | 0 - Disable<br>1 - Enable                                                  | Eventual records     |
| 11802        | UInt8          | 0             | 0           | 1     | 0 - Continuous<br>1 - Between records                                      | Mode                 |
| 11803        | UInt8          | 5             | 0           | 255   | km/h                                                                       | Start speed          |
| 11804        | UInt16         | 60            | 0           | 65535 | Seconds                                                                    | Ignition off timeout |
| 7031         | UInt8          | 0             | 0           | 10    | Phone number                                                               | Send SMS to          |
| 8031         | String         | "Trip"        | 0           | 160   | Text                                                                       | Sms text             |

### Advanced trip scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |       | Value                     | Parameter name           |
|--------------|----------------|---------------|-------------|-------|---------------------------|--------------------------|
|              |                |               | Min         | Max   |                           |                          |
| 700          | UInt16         | 100           | 0           | 65535 | 0 - Disable               | Eco score allowed events |
| 11805        | UInt8          | 0             | 0           | 1     | 0 - Disable<br>1 - Enable | Remember iButton         |

## Odometer parameters

| Parameter ID | Parameter Type | Default value | Value range |         | Value                            | Parameter name     |
|--------------|----------------|---------------|-------------|---------|----------------------------------|--------------------|
|              |                |               | Min         | Max     |                                  |                    |
| 11806        | UInt8          | 0             | 0           | 2       | 0 - GNSS<br>1 - OBD<br>2 - LVCAN | Calculation source |
| 11807        | UInt32         | 0             | 0           | 4294967 | Kilometer                        | Odometer Value     |

## Private/Business mode scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                                                                                     | Parameter name        |
|--------------|----------------|---------------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|
|              |                |               | Min         | Max |                                                                                                                           |                       |
| 11850        | UInt8          | 0             | 0           | 3   | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority                                                | Private/Business Mode |
| 11814        | UInt8          | 0             | 0           | 1   | 0 - Disable<br>1 - Enable                                                                                                 | Eventual records      |
| 11811        | UInt8          | 0             | 0           | 3   | 16 - BTAApp<br>32 - NBL-1 Button1<br>64 - NBL-1 Button2<br>128 - FMP100 Button<br>255 - Enable All                        | Triggers              |
| 11813        | UInt8          | 0             | 0           | 3   | 0 - Normal<br>1 - Data sent as Zero<br>2 - Last good known position                                                       | GPS Data Masking      |
| 11815        | UInt8          | 0             | 0           | 1   | 0 - Disable<br>1 - Enable                                                                                                 | Odometer calculation  |
| 11816        | UInt8          | 0             | 0           | 3   | 0 - Disable<br>1 - Towing detection<br>2 - Unplug detection<br>4 - Crash detection<br>8 - Autogeofence<br>15 - Enable All | Deactivate by         |
| 11849        | UInt8          | 0             | 0           | 1   | 0 - External<br>1 - Weekly Schedule                                                                                       | Trigger Type          |

## Weekly Schedule parameters

| Parameter ID | Parameter Type | Default value | Value range |     | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|-------|----------------|
|              |                |               | Min         | Max |       |                |
| 11839        | UInt16         | 0             | -720        | 840 | GMT+  | Time Zone      |

## Daylight saving scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |     | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|-------|----------------|
|              |                |               | Min         | Max |       |                |

|              |        |   |   |      |                                                                                                                                                                                             |                     |
|--------------|--------|---|---|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>11840</b> | UInt8  | 0 | 0 | 1    | 0 - Disable<br>1 - Enable                                                                                                                                                                   | Daylight Saving     |
| <b>11841</b> | UInt8  | 0 | 0 | 4    | 0 - First<br>1 - Second<br>2 - Third<br>3 - Fourth                                                                                                                                          | Start on DLS* week  |
| <b>11842</b> | UInt8  | 1 | 1 | 12   | 4 - Fifth/Last<br>1 - January<br>2 - February<br>3 - March<br>4 - April<br>5 - May<br>6 - June<br>7 - July<br>8 - August<br>9 - September<br>10 - October<br>11 - November<br>12 - December | Start on DLS* Month |
| <b>11843</b> | UInt8  | 0 | 0 | 6    | 0 - Monday<br>1 - Tuesday<br>2 - Wednesday<br>3 - Thursday<br>4 - Friday<br>5 - Saturday<br>6 - Sunday                                                                                      | Start on DLS* Day   |
| <b>11844</b> | UInt16 | 0 | 0 | 1140 | Minutes                                                                                                                                                                                     | Start on DLS* Time  |
| <b>11845</b> | UInt8  | 0 | 0 | 4    | 0 - First<br>1 - Second<br>2 - Third<br>3 - Fourth<br>4 - Fifth/Last                                                                                                                        | End on DLS* Week    |
| <b>11846</b> | UInt8  | 1 | 1 | 12   | 1 - January<br>2 - February<br>3 - March<br>4 - April<br>5 - May<br>6 - June<br>7 - July<br>8 - August<br>9 - September<br>10 - October<br>11 - November<br>12 - December                   | End on DLS* Month   |
| <b>11847</b> | UInt8  | 0 | 0 | 6    | 0 - Monday<br>1 - Tuesday<br>2 - Wednesday<br>3 - Thursday<br>4 - Friday<br>5 - Saturday<br>6 - Sunday                                                                                      | End on DLS* Day     |
| <b>11848</b> | UInt16 | 0 | 0 | 1140 | Minutes                                                                                                                                                                                     | End on DLS* Time    |

## Weekly schedule scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |     | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|-------|----------------|
|              |                |               | Min         | Max |       |                |

|              |        |   |   |      |                           |                                            |
|--------------|--------|---|---|------|---------------------------|--------------------------------------------|
| <b>11818</b> | UInt8  | 1 | 0 | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Monday Status           |
| <b>11819</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Monday Start Time       |
| <b>11820</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Monday End Time         |
| <b>11821</b> | UInt8  | 1 | 0 | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Tuesday Status          |
| <b>11822</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Tuesday Start Time      |
| <b>11823</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Tuesday End Time        |
| <b>11824</b> | UInt8  | 1 | 0 | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Wednesday Status        |
| <b>11825</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Wednesday Start<br>Time |
| <b>11826</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Wednesday End Time      |
| <b>11827</b> | UInt8  | 1 | 0 | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Thursday Status         |
| <b>11828</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Thursday Start Time     |
| <b>11829</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Thursday End Time       |
| <b>11830</b> | UInt8  | 1 | 0 | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Friday Status           |
| <b>11831</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Friday Start Time       |
| <b>11832</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Friday End Time         |
| <b>11833</b> | UInt8  | 1 | 0 | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Saturday Status         |
| <b>11834</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Saturday Start Time     |
| <b>11835</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Saturday End Time       |
| <b>11836</b> | UInt8  | 1 | 0 | 1    | 0 - Disable<br>1 - Enable | Weekly Schedule<br>Sunday Status           |
| <b>11837</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Sunday Start Time       |
| <b>11838</b> | UInt16 | 0 | 0 | 1140 | Minutes                   | Weekly Schedule<br>Sunday End Time         |

- - daylight saving

## AutoGeofencing scenario parameters

| Parameter ID | Parameter Type | Default value | Value range |       | Value                                                                      | Parameter name                   |
|--------------|----------------|---------------|-------------|-------|----------------------------------------------------------------------------|----------------------------------|
|              |                |               | Min         | Max   |                                                                            |                                  |
| <b>20000</b> | UInt8          | 0             | 0           | 3     | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Priority                         |
| <b>20002</b> | UInt8          | 1             | 0           | 1     | 0 - Disable<br>1 - Enable                                                  | Eventual records                 |
| <b>20003</b> | UInt16         | 60            | 0           | 65535 | Seconds                                                                    | Activation timeout               |
| <b>20001</b> | UInt8          | 0             | 0           | 2     | 0 - On exiting zone<br>1 - On entering zone<br>2 - On both                 | AutoGeofence event<br>generating |

|              |        |                |   |         |                                                                                                                         |               |
|--------------|--------|----------------|---|---------|-------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>20005</b> | Uint8  | 0              | 0 | 5       | 0 - Power voltage<br>1 - Digital input 1<br>2 - Engine RPM<br>3 - Digital input 2<br>4 - Digital input 3<br>5 - iButton | Deactivate by |
| <b>20004</b> | Uint32 | 100            | 5 | 1000000 | Value                                                                                                                   | Radius        |
| <b>7030</b>  | Uint64 | 0              | 0 | 10      | Phone number                                                                                                            | Send SMS to   |
| <b>8030</b>  | String | "AutoGeofence" | 0 | 160     | Text                                                                                                                    | Sms text      |

## Manual Geofence

| Parameter ID | Parameter Type | Default value    | Value range |         | Value                                                                      | Parameter name    |
|--------------|----------------|------------------|-------------|---------|----------------------------------------------------------------------------|-------------------|
|              |                |                  | Min         | Max     |                                                                            |                   |
| <b>20100</b> | Uint8          | 0                | 0           | 3       | 0 - Disabled<br>1 - Low<br>2 - High<br>3 - Panic                           | Priority          |
| <b>20101</b> | Uint8          | 0                | 0           | 3       | 0 - No event<br>1 - On exiting zone<br>2 - On entering zone<br>3 - On both | Operand           |
| <b>20102</b> | Uint8          | 1                | 0           | 1       | 0 - Disable<br>1 - Enable                                                  | Eventual records  |
| <b>20103</b> | Uint32         | 1                | 0           | 1000000 | Border value                                                               | Frame border      |
| <b>20104</b> | Uint8          | 0                | 0           | 1       | 0 - Circle<br>1 - Rectangle                                                | Shape type        |
| <b>20105</b> | Uint32         | 5                | 0           | 1000000 | Metres                                                                     | Radius            |
| <b>20106</b> | Double         | 0                | -180        | 180     | Coordinate                                                                 | X1                |
| <b>20107</b> | Double         | 0                | -90         | 90      | Coordinate                                                                 | Y1                |
| <b>20108</b> | Double         | 0                | -180        | 180     | Coordinate                                                                 | X2                |
| <b>20109</b> | Double         | 0                | -90         | 90      | Coordinate                                                                 | Y2                |
| <b>20110</b> | Uint8          | 0                | 0           | 1       | 0 - Disable<br>1 - Enable                                                  | Overspeeding      |
| <b>20111</b> | Uint16         | 90               | 0           | 1000    | km/h                                                                       | Max allowed speed |
| <b>7025</b>  | Uint8          | 0                | 0           | 10      | Phone number                                                               | Send SMS to       |
| <b>8025</b>  | String         | "Geozone Zone #" | 0           | 160     | Text                                                                       | SMS text          |

Similarly to a group defined in the upper table:

| Zone number | Parameter |                  |                  |              |            |        |       |       |       |       |              |                   |             |          |
|-------------|-----------|------------------|------------------|--------------|------------|--------|-------|-------|-------|-------|--------------|-------------------|-------------|----------|
|             | Priority  | Event generating | Eventual records | Frame border | Shape type | Radius | X1    | Y1    | X2    | Y2    | Overspeeding | Max allowed speed | Send sms to | SMS text |
| 1           | 20100     | 20101            | 20102            | 20103        | 20104      | 20105  | 20106 | 20107 | 20108 | 20109 | 20110        | 20111             | 7025        | 8025     |
| 2           | 20120     | 20121            | 20122            | 20123        | 20124      | 20125  | 20126 | 20127 | 20128 | 20129 | 20130        | 20131             | 7026        | 8026     |
| 3           | 20140     | 20141            | 20142            | 20143        | 20144      | 20145  | 20146 | 20147 | 20148 | 20149 | 20150        | 20151             | 7027        | 8027     |
| 4           | 20160     | 20161            | 20162            | 20163        | 20164      | 20165  | 20166 | 20167 | 20168 | 20169 | 20170        | 20171             | 7028        | 8028     |
| 5           | 20180     | 20181            | 20182            | 20183        | 20184      | 20185  | 20186 | 20187 | 20188 | 20189 | 20190        | 20191             | 7029        | 8029     |
| 6           | 20200     | 20201            | 20202            | 20203        | 20204      | 20205  | 20206 | 20207 | 20208 | 20209 | 20210        | 20211             | 7071        | 8071     |
| 7           | 20220     | 20221            | 20222            | 20223        | 20224      | 20225  | 20226 | 20227 | 20228 | 20229 | 20230        | 20231             | 7072        | 8072     |
| 8           | 20240     | 20241            | 20242            | 20243        | 20244      | 20245  | 20246 | 20247 | 20248 | 20249 | 20250        | 20251             | 7073        | 8073     |
| 9           | 20260     | 20261            | 20262            | 20263        | 20264      | 20265  | 20266 | 20267 | 20268 | 20269 | 20270        | 20271             | 7074        | 8074     |
| 10          | 20280     | 20281            | 20282            | 20283        | 20284      | 20285  | 20286 | 20287 | 20288 | 20289 | 20290        | 20291             | 7075        | 8075     |
| 11          | 20300     | 20301            | 20302            | 20303        | 20304      | 20305  | 20306 | 20307 | 20308 | 20309 | 20310        | 20311             | 7076        | 8076     |
| 12          | 20320     | 20321            | 20322            | 20323        | 20324      | 20325  | 20326 | 20327 | 20328 | 20329 | 20330        | 20331             | 7077        | 8077     |
| 13          | 20340     | 20341            | 20342            | 20343        | 20344      | 20345  | 20346 | 20347 | 20348 | 20349 | 20350        | 20351             | 7078        | 8078     |
| 14          | 20360     | 20361            | 20362            | 20363        | 20364      | 20365  | 20366 | 20367 | 20368 | 20369 | 20370        | 20371             | 7079        | 8079     |
| 15          | 20380     | 20381            | 20382            | 20383        | 20384      | 20385  | 20386 | 20387 | 20388 | 20389 | 20390        | 20391             | 7080        | 8080     |
| 16          | 20400     | 20401            | 20402            | 20403        | 20404      | 20405  | 20406 | 20407 | 20408 | 20409 | 20410        | 20411             | 7081        | 8081     |
| 17          | 20420     | 20421            | 20422            | 20423        | 20424      | 20425  | 20426 | 20427 | 20428 | 20429 | 20430        | 20431             | 7082        | 8082     |
| 18          | 20440     | 20441            | 20442            | 20443        | 20444      | 20445  | 20446 | 20447 | 20448 | 20449 | 20450        | 20451             | 7083        | 8083     |
| 19          | 20460     | 20461            | 20462            | 20463        | 20464      | 20465  | 20466 | 20467 | 20468 | 20469 | 20470        | 20471             | 7084        | 8084     |
| 20          | 20480     | 20481            | 20482            | 20483        | 20484      | 20485  | 20486 | 20487 | 20488 | 20489 | 20490        | 20491             | 7085        | 8085     |
| 21          | 20500     | 20501            | 20502            | 20503        | 20504      | 20505  | 20506 | 20507 | 20508 | 20509 | 20510        | 20511             | 7086        | 8086     |
| 22          | 20520     | 20521            | 20522            | 20523        | 20524      | 20525  | 20526 | 20527 | 20528 | 20529 | 20530        | 20531             | 7087        | 8087     |
| 23          | 20540     | 20541            | 20542            | 20543        | 20544      | 20545  | 20546 | 20547 | 20548 | 20549 | 20550        | 20551             | 7088        | 8088     |
| 24          | 20560     | 20561            | 20562            | 20563        | 20564      | 20565  | 20566 | 20567 | 20568 | 20569 | 20570        | 20571             | 7089        | 8089     |
| 25          | 20580     | 20581            | 20582            | 20583        | 20584      | 20585  | 20586 | 20587 | 20588 | 20589 | 20590        | 20591             | 7090        | 8090     |
| 26          | 20600     | 20601            | 20602            | 20603        | 20604      | 20605  | 20606 | 20607 | 20608 | 20609 | 20610        | 20611             | 7091        | 8091     |
| 27          | 20620     | 20621            | 20622            | 20623        | 20624      | 20625  | 20626 | 20627 | 20628 | 20629 | 20630        | 20631             | 7092        | 8092     |
| 28          | 20640     | 20641            | 20642            | 20643        | 20644      | 20645  | 20646 | 20647 | 20648 | 20649 | 20650        | 20651             | 7093        | 8093     |
| 29          | 20660     | 20661            | 20662            | 20663        | 20664      | 20665  | 20666 | 20667 | 20668 | 20669 | 20670        | 20671             | 7094        | 8094     |
| 30          | 20680     | 20681            | 20682            | 20683        | 20684      | 20685  | 20686 | 20687 | 20688 | 20689 | 20690        | 20691             | 7095        | 8095     |
| 31          | 20700     | 20701            | 20702            | 20703        | 20704      | 20705  | 20706 | 20707 | 20708 | 20709 | 20710        | 20711             | 7096        | 8096     |
| 32          | 20720     | 20721            | 20722            | 20723        | 20724      | 20725  | 20726 | 20727 | 20728 | 20729 | 20730        | 20731             | 7097        | 8097     |

|    |       |       |       |       |       |       |       |       |       |       |       |       |      |      |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 33 | 20740 | 20741 | 20742 | 20743 | 20744 | 20745 | 20746 | 20747 | 20748 | 20749 | 20750 | 20751 | 7098 | 8098 |
| 34 | 20760 | 20761 | 20762 | 20763 | 20764 | 20765 | 20766 | 20767 | 20768 | 20769 | 20770 | 20771 | 7099 | 8099 |
| 35 | 20780 | 20781 | 20782 | 20783 | 20784 | 20785 | 20786 | 20787 | 20788 | 20789 | 20790 | 20791 | 7100 | 8100 |
| 36 | 20800 | 20801 | 20802 | 20803 | 20804 | 20805 | 20806 | 20807 | 20808 | 20809 | 20810 | 20811 | 7101 | 8101 |
| 37 | 20820 | 20821 | 20822 | 20823 | 20824 | 20825 | 20826 | 20827 | 20828 | 20829 | 20830 | 20831 | 7102 | 8102 |
| 38 | 20840 | 20841 | 20842 | 20843 | 20844 | 20845 | 20846 | 20847 | 20848 | 20849 | 20850 | 20851 | 7103 | 8103 |
| 39 | 20860 | 20861 | 20862 | 20863 | 20864 | 20865 | 20866 | 20867 | 20868 | 20869 | 20870 | 20871 | 7104 | 8104 |
| 40 | 20880 | 20881 | 20882 | 20883 | 20884 | 20885 | 20886 | 20887 | 20888 | 20889 | 20890 | 20891 | 7105 | 8105 |
| 41 | 20900 | 20901 | 20902 | 20903 | 20904 | 20905 | 20906 | 20907 | 20908 | 20909 | 20910 | 20911 | 7106 | 8106 |
| 42 | 20920 | 20921 | 20922 | 20923 | 20924 | 20925 | 20926 | 20927 | 20928 | 20929 | 20930 | 20931 | 7107 | 8107 |
| 43 | 20940 | 20941 | 20942 | 20943 | 20944 | 20945 | 20946 | 20947 | 20948 | 20949 | 20950 | 20951 | 7108 | 8108 |
| 44 | 20960 | 20961 | 20962 | 20963 | 20964 | 20965 | 20966 | 20967 | 20968 | 20969 | 20970 | 20971 | 7109 | 8109 |
| 45 | 20980 | 20981 | 20982 | 20983 | 20984 | 20985 | 20986 | 20987 | 20988 | 20989 | 20990 | 20991 | 7110 | 8110 |
| 46 | 21000 | 21001 | 21002 | 21003 | 21004 | 21005 | 21006 | 21007 | 21008 | 21009 | 21010 | 21011 | 7111 | 8111 |
| 47 | 21020 | 21021 | 21022 | 21023 | 21024 | 21025 | 21026 | 21027 | 21028 | 21029 | 21030 | 21031 | 7112 | 8112 |
| 48 | 21040 | 21041 | 21042 | 21043 | 21044 | 21045 | 21046 | 21047 | 21048 | 21049 | 21050 | 21051 | 7113 | 8113 |
| 49 | 21060 | 21061 | 21062 | 21063 | 21064 | 21065 | 21066 | 21067 | 21068 | 21069 | 21070 | 21071 | 7114 | 8114 |
| 50 | 21080 | 21081 | 21082 | 21083 | 21084 | 21085 | 21086 | 21087 | 21088 | 21089 | 21090 | 21091 | 7115 | 8115 |

GPS Fuel counter

| Parameter ID | Parameter Type | Default value | Value range |     | Value       | Parameter name                 |
|--------------|----------------|---------------|-------------|-----|-------------|--------------------------------|
|              |                |               | Min         | Max |             |                                |
| 11900        | Double         | 0             | 0           | 50  | L/100km     | City consumption               |
| 11901        | Double         | 0             | 0           | 50  | L/100km     | Highway consumption            |
| 11902        | Double         | 0             | 0           | 50  | L/100km     | Average consumption            |
| 11903        | Uint8          | 30            | 0           | 250 | km/h        | City speed                     |
| 11904        | Uint8          | 90            | 0           | 250 | km/h        | Highway speed                  |
| 11905        | Uint8          | 60            | 0           | 250 | km/h        | Average speed                  |
| 11906        | Double         | 1             | 0.01        | 2   | Coefficient | Correction coefficient         |
| 11907        | Double         | 1             | 0           | 5   | L/h         | Fuel consumption on idling     |
| 11908        | Uint8          | 20            | 0           | 250 | %           | Higher speeds add              |
| 11909        | Uint8          | 50            | 0           | 100 | Value       | Highway consumption every km/h |

Accelerometer features

Unplug Detection

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                                      | Parameter name   |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------------------|------------------|
|              |                |               | Min         | Max |                                                                            |                  |
| 11500        | Uint8          | 0             | 0           | 3   | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario setting |
| 11501        | Uint8          | 1             | 0           | 1   | 0 - Disable<br>1 - Enable                                                  | Eventual records |
| 11502        | Uint8          | 1             | 0           | 1   | 0 - Simple<br>1 - Advanced                                                 | Detection mode   |
| 7036         | Uint8          | 0             | 0           | 10  | Phone number                                                               | Send SMS to      |
| 8036         | String         | "Unplug"      | 0           | 160 | Text                                                                       | Sms text         |

Towing Detection

| Parameter ID | Parameter Type | Default value | Value range |     | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|-------|----------------|
|              |                |               | Min         | Max |       |                |

|              |        |          |     |       |                                                                            |                    |
|--------------|--------|----------|-----|-------|----------------------------------------------------------------------------|--------------------|
| <b>11600</b> | UInt8  | 0        | 0   | 3     | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Priority           |
| <b>11601</b> | UInt8  | 1        | 0   | 1     | 0 - Disable<br>1 - Enable                                                  | Eventual records   |
| <b>11602</b> | UInt16 | 5        | 0   | 65535 | Minutes                                                                    | Activation timeout |
| <b>11603</b> | UInt8  | 0        | 0   | 60    | Seconds                                                                    | Event timeout      |
| <b>11604</b> | UInt8  | 0        | 0   | 10    | Phone number                                                               | Make call to       |
| <b>11605</b> | Double | 0.22     | 0.1 | 5     | mG                                                                         | Threshold          |
| <b>11606</b> | Double | 1        | 0.1 | 5     | Degrees                                                                    | Angle              |
| <b>11607</b> | UInt16 | 1000     | 1   | 5000  | Milliseconds                                                               | Duration           |
| <b>7035</b>  | UInt8  | 0        | 0   | 10    | Phone number                                                               | Send SMS to        |
| <b>8035</b>  | String | "Towing" | 0   | 160   | Text                                                                       | Sms text           |

## Crash Detection

| Parameter ID | Parameter Type | Default value | Value range |      | Value                                                                      | Parameter name   |
|--------------|----------------|---------------|-------------|------|----------------------------------------------------------------------------|------------------|
|              |                |               | Min         | Max  |                                                                            |                  |
| <b>11400</b> | UInt8          | 0             | 0           | 3    | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario setting |
| <b>11401</b> | UInt8          | 5             | 0           | 1000 | Milliseconds                                                               | Duration         |
| <b>11402</b> | UInt16         | 1500          | 0           | 7900 | mG                                                                         | Threshold        |
| <b>11406</b> | Int8           | 0             | 0           | 1    | 0 - Disable<br>1 - Enable                                                  | Crash trace      |
| <b>7037</b>  | UInt8          | 0             | 0           | 10   | Phone number                                                               | Send SMS to      |
| <b>8037</b>  | String         | "Crash"       | 0           | 160  | Text                                                                       | Sms text         |

## Excessive Idling

| Parameter ID | Parameter Type | Default value  | Value range |                  | Value                                                                      | Parameter name    |
|--------------|----------------|----------------|-------------|------------------|----------------------------------------------------------------------------|-------------------|
|              |                |                | Min         | Max              |                                                                            |                   |
| <b>11200</b> | UInt8          | 0              | 0           | 3                | 0 - Disable<br>1 - Low priority<br>2 - High priority<br>3 - Panic priority | Scenario settings |
| <b>11203</b> | UInt8          | 1              | 0           | 1                | 0 - Disable<br>1 - Enable                                                  | Eventual records  |
| <b>11205</b> | UInt8          | 5              | 0           | 3600             | Seconds                                                                    | Time to stoped    |
| <b>11206</b> | UInt8          | 2              | 0           | 3600             | Seconds                                                                    | Time to moving    |
| <b>11204</b> | UInt8          | 0              | 0           | 2 (1 for FMB125) | 0 - None<br>1 - DOUT 1<br>2 - DOUT 2                                       | Output control    |
| <b>11201</b> | Int32          | 200            | 0           | 2147483647       | Milliseconds                                                               | DOUT ON duration  |
| <b>11202</b> | Int32          | 200            | 0           | 2147483647       | Milliseconds                                                               | DOUT OFF duration |
| <b>7033</b>  | UInt8          | 0              | 0           | 10               | Phone number                                                               | Send SMS to       |
| <b>8033</b>  | String         | "Idling Event" | 0           | 160              | Text                                                                       | Sms text          |

# Bluetooth

| Parameter ID | Parameter Type | Default value                     | Value range |     | Value                                                       | Parameter name                 |
|--------------|----------------|-----------------------------------|-------------|-----|-------------------------------------------------------------|--------------------------------|
|              |                |                                   | Min         | Max |                                                             |                                |
| 800          | UInt8          | 0                                 | 0           | 2   | 0 - Disable<br>1 - Enable hidden<br>2 - Enable visible      | Scenario settings              |
| 801          | String         | "FMB1YX_(last 7<br>IMEI numbers)" | 0           | 16  | ID                                                          | Local name                     |
| 802          | String         | "5555"                            | 0           | 4   | PIN                                                         | Local PIN                      |
| 803          | UInt8          | 0                                 | 0           | 3   | 0 - PIN only<br>1 - PIN and MAC<br>2 - MAC only<br>3 - None | Security mode                  |
| 804          | String         | 0                                 | 0           | 12  | MAC                                                         | External MAC                   |
| 805          | String         | 0                                 | 0           | 30  | ID                                                          | External name                  |
| 806          | String         | 0                                 | 0           | 8   | PIN                                                         | External PIN                   |
| 807          | UInt8          | 0                                 | 0           | 3   | 0 - None<br>1 - Hands free<br>2 - OBDII<br>3 - Data link    | Security mode                  |
| 830-834      | String         | -                                 | 0           | 12  | MAC list                                                    | Authorized devices<br>MAC list |

| Parameter ID | Parameter Type | Default value | Value range |       | Value                                                       | Parameter name                     |
|--------------|----------------|---------------|-------------|-------|-------------------------------------------------------------|------------------------------------|
|              |                |               | Min         | Max   |                                                             |                                    |
| 1100         | UInt16         | 120           | 120         | 65535 | Seconds                                                     | TZ-BT04/05/05B<br>Update frequency |
| 1110         | UInt8          | 4             | 0           | 6     | 0 - 1<br>1 - 2<br>2 - 3<br>3 - 4<br>4 - 5<br>5 - 6<br>6 - 7 | BT Power Level                     |
| 1111         | UInt8          | 0             | 0           | 4     | ID                                                          | BLE broadcasting<br>service ID     |

## Bluetooth 4.0

### Common Settings

| Parameter ID | Parameter Type | Default value | Value range |                   | Value                                                                                      | Parameter name                 |
|--------------|----------------|---------------|-------------|-------------------|--------------------------------------------------------------------------------------------|--------------------------------|
|              |                |               | Min         | Max               |                                                                                            |                                |
| 1115         | UInt8          | 0             | 0           | 1                 | 0 - Disable<br>1 - Enable                                                                  | Non Stop Scan                  |
| 1100         | Int32          | 120           | 30          | 65535             | Seconds                                                                                    | TZ-BT04 Update<br>frequency    |
| 1113         | Int32          | 60            | 5           | 120               | Seconds                                                                                    | BLE Scan duration              |
| 1114         | Int32          | 30            | 0           | 65535             | Seconds                                                                                    | Scan retries untill<br>error   |
| 1110         | Int8           | 5             | 1           | 7                 | Range in meters:<br>1 - < 0.5<br>2 - 0.5<br>3 - 11<br>4 - 13<br>5 - 15<br>6 - 27<br>7 - 50 | BTPower                        |
| 1111         | String         | -             | -           | TextMaxLength="4" | -                                                                                          | BLE broadcasting<br>service ID |



|      |      |   |   |   |                           |                        |
|------|------|---|---|---|---------------------------|------------------------|
| 1112 | Int8 | 1 | 0 | 1 | 0 - Prohibit<br>1 - Allow | BLE connection control |
|------|------|---|---|---|---------------------------|------------------------|

## BLE functionalities Connection #1

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                          | Parameter name           |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------|--------------------------|
|              |                |               | Min         | Max |                                                                |                          |
| 1200         | UInt8          | 0             | 0           | 2   | 0 - Disabled<br>1 - TZ-BT04/05/05B sensor<br>2 - Efento sensor | Working mode             |
| 1201         | UInt8          | 0             | 0           | 8   | ID                                                             | TZ-BT04/05/05B sensor ID |
| 1202         | String         | 0             | 0           | 12  | MAC                                                            | Efento sensor MAC        |

## BLE functionalities Connection #2

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                          | Parameter name           |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------|--------------------------|
|              |                |               | Min         | Max |                                                                |                          |
| 1250         | UInt8          | 0             | 0           | 2   | 0 - Disabled<br>1 - TZ-BT04/05/05B sensor<br>2 - Efento sensor | Working mode             |
| 1251         | UInt8          | 0             | 0           | 8   | ID                                                             | TZ-BT04/05/05B sensor ID |
| 1252         | String         | 0             | 0           | 12  | MAC                                                            | Efento sensor MAC        |

## BLE functionalities Connection #3

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                          | Parameter name           |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------|--------------------------|
|              |                |               | Min         | Max |                                                                |                          |
| 1300         | UInt8          | 0             | 0           | 2   | 0 - Disabled<br>1 - TZ-BT04/05/05B sensor<br>2 - Efento sensor | Working mode             |
| 1301         | UInt8          | 0             | 0           | 8   | ID                                                             | TZ-BT04/05/05B sensor ID |
| 1302         | String         | 0             | 0           | 12  | MAC                                                            | Efento sensor MAC        |

## BLE functionalities Connection #4

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                          | Parameter name           |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------|--------------------------|
|              |                |               | Min         | Max |                                                                |                          |
| 1350         | UInt8          | 0             | 0           | 2   | 0 - Disabled<br>1 - TZ-BT04/05/05B sensor<br>2 - Efento sensor | Working mode             |
| 1351         | UInt8          | -             | 0           | 8   | ID                                                             | TZ-BT04/05/05B sensor ID |
| 1352         | String         | 0             | 0           | 12  | MAC                                                            | Efento sensor MAC        |

## Beacon List Parameters

| Parameter ID | Parameter Type | Default value | Value Range |     | Value                                     | Parameter Name   |
|--------------|----------------|---------------|-------------|-----|-------------------------------------------|------------------|
|              |                |               | Min         | Max |                                           |                  |
| 134          | UInt8          | 0             | 0           | 2   | 0 - Disabled<br>1 - All<br>2 - Configured | Beacon Detection |
| 136          | UInt8          | 0             | 0           | 1   | 0 - Eventual<br>1 - Periodic              | Beacon Record    |

|     |        |    |   |        |         |                           |
|-----|--------|----|---|--------|---------|---------------------------|
| 137 | UInt32 | 60 | 0 | 259200 | Seconds | Record Period on Move (s) |
| 139 | UInt32 | 60 | 0 | 259200 | Seconds | Record Period on Stop (s) |

#### Beacon List

| Parameter ID | iBeacon          | EddyStone             |
|--------------|------------------|-----------------------|
| 1600         |                  |                       |
| ...          | UUID:Major:Minor | Namespace:Instance ID |
| 1624         |                  |                       |

Example:

<login><space><password><space>setparam

1600:4B5C049F515341FCA950D2C264414E10-0005-0006

<login><space><password><space>setparam 1600:00112233445566778899-ABCDE0810047

## Tracking on Demand

| Parameter ID | Parameter Type | Default value | Value range |      | Parameter name    |
|--------------|----------------|---------------|-------------|------|-------------------|
|              |                |               | Min         | Max  |                   |
| 10990        | UInt8          | 10            | 5           | 60   | Tracking period   |
| 10991        | UInt16         | 600           | 300         | 3600 | Tracking duration |

## iButton List

| Parameter ID | Parameter Type | Default value | Value range |            | Value | Parameter name  |
|--------------|----------------|---------------|-------------|------------|-------|-----------------|
|              |                |               | Min         | Max        |       |                 |
| 30000-33999  | UInt64         | 0             | 0           | 0xFFFFFFFF | ID    | iButton ID list |

## I/O parameters

| Parameter ID | Parameter Type | Default value | Value range |       | Parameter name                      |
|--------------|----------------|---------------|-------------|-------|-------------------------------------|
|              |                |               | Min         | Max   |                                     |
| 50000        | UInt8          | 1             | 0           | 3     | Ignition <a href="#">Priority</a>   |
| 50001        | UInt8          | 5             | 0           | 6     | Ignition <a href="#">Operand</a>    |
| 50002        | UInt8          | 0             | 0           | 1     | Ignition High level                 |
| 50003        | UInt8          | 0             | 0           | 1     | Ignition Low level                  |
| 50004        | UInt8          | 0             | 0           | 1     | Ignition <a href="#">Event only</a> |
| 50005        | UInt16         | 10            | 0           | 65535 | Ignition Average                    |
| 7000         | UInt8          | 0             | 0           | 10    | Send SMS                            |
| 8000         | String         | 0             | 0           | 160   | SMS Text                            |
| 50010        | UInt8          | 1             | 0           | 3     | Movement <a href="#">Priority</a>   |
| 50011        | UInt8          | 5             | 0           | 6     | Movement <a href="#">Operand</a>    |
| 50012        | UInt8          | 0             | 0           | 1     | Movement High level                 |
| 50013        | UInt8          | 0             | 0           | 1     | Movement Low level                  |
| 50014        | UInt8          | 0             | 0           | 1     | Movement <a href="#">Event only</a> |
| 50015        | UInt16         | 1             | 0           | 65535 | Movement Average                    |
| 7001         | UInt8          | 0             | 0           | 10    | Send SMS                            |
| 8001         | String         | 0             | 0           | 160   | SMS Text                            |
| 50020        | UInt8          | 1             | 0           | 3     | Data Mode <a href="#">Priority</a>  |
| 50021        | UInt8          | 3             | 0           | 6     | Data Mode Operand                   |
| 50022        | UInt8          | 0             | 0           | 5     | Data Mode High level                |

|       |        |      |   |       |                                             |
|-------|--------|------|---|-------|---------------------------------------------|
| 50023 | UInt8  | 0    | 0 | 5     | Data Mode Low level                         |
| 50024 | UInt8  | 0    | 0 | 1     | Data Mode <a href="#">Event only</a>        |
| 7002  | UInt8  | 0    | 0 | 10    | Send SMS                                    |
| 8002  | String | 0    | 0 | 160   | SMS Text                                    |
| 50030 | UInt8  | 1    | 0 | 3     | GSM Signal <a href="#">Priority</a>         |
| 50031 | UInt8  | 3    | 0 | 6     | GSM Signal <a href="#">Operand</a>          |
| 50032 | UInt8  | 0    | 0 | 5     | GSM Signal High level                       |
| 50033 | UInt8  | 0    | 0 | 5     | GSM Signal Low level                        |
| 50034 | UInt8  | 0    | 0 | 1     | GSM Signal <a href="#">Event only</a>       |
| 50035 | UInt16 | 1    | 0 | 65535 | GSM Signal Average                          |
| 7003  | UInt8  | 0    | 0 | 10    | Send SMS                                    |
| 8003  | String | 0    | 0 | 160   | SMS Text                                    |
| 50040 | UInt8  | 1    | 0 | 3     | Deep Sleep <a href="#">Priority</a>         |
| 50041 | UInt8  | 3    | 0 | 6     | Deep Sleep <a href="#">Operand</a>          |
| 50042 | UInt8  | 0    | 0 | 2     | Deep Sleep High level                       |
| 50043 | UInt8  | 0    | 0 | 2     | Deep Sleep Low level                        |
| 50044 | UInt8  | 0    | 0 | 1     | Deep Sleep <a href="#">Event only</a>       |
| 7004  | UInt8  | 0    | 0 | 10    | Send SMS                                    |
| 8004  | String | 0    | 0 | 160   | SMS Text                                    |
| 50050 | UInt8  | 1    | 0 | 3     | GNSS Status <a href="#">Priority</a>        |
| 50051 | UInt8  | 3    | 0 | 6     | GNSS Status <a href="#">Operand</a>         |
| 50052 | UInt8  | 0    | 0 | 5     | GNSS Status High level                      |
| 50053 | UInt8  | 0    | 0 | 5     | GNSS Status Low level                       |
| 50053 | UInt8  | 0    | 0 | 1     | GNSS Status <a href="#">Event only</a>      |
| 7005  | UInt8  | 0    | 0 | 10    | Send SMS                                    |
| 8005  | String | 0    | 0 | 160   | SMS Text                                    |
| 50060 | UInt8  | 0    | 0 | 3     | GNSS PDOP <a href="#">Priority</a>          |
| 5061  | UInt8  | 3    | 0 | 6     | GNSS PDOP <a href="#">Operand</a>           |
| 5062  | UInt16 | 0    | 0 | 1000  | GNSS PDOP High level                        |
| 5063  | UInt16 | 0    | 0 | 1000  | GNSS PDOP Low level                         |
| 5064  | UInt8  | 0    | 0 | 1     | GNSS PDOP <a href="#">Event only</a>        |
| 5065  | UInt16 | 10   | 0 | 65535 | GNSS PDOP Average                           |
| 7006  | UInt8  | 0    | 0 | 10    | Send SMS                                    |
| 8006  | String | 0    | 0 | 160   | SMS Text                                    |
| 50070 | UInt8  | 1    | 0 | 3     | GNSS HDOP <a href="#">Priority</a>          |
| 50071 | UInt8  | 3    | 0 | 6     | GNSS HDOP <a href="#">Operand</a>           |
| 50072 | UInt16 | 0    | 0 | 1000  | GNSS HDOP High level                        |
| 50073 | UInt16 | 0    | 0 | 1000  | GNSS HDOP Low level                         |
| 50074 | UInt8  | 0    | 0 | 1     | GNSS HDOP <a href="#">Event only</a>        |
| 50075 | UInt16 | 10   | 0 | 65535 | GNSS HDOP Average                           |
| 7007  | UInt8  | 0    | 0 | 10    | Send SMS                                    |
| 8007  | String | 0    | 0 | 160   | SMS Text                                    |
| 50080 | UInt8  | 1    | 0 | 3     | External Voltage <a href="#">Priority</a>   |
| 50081 | UInt8  | 6    | 0 | 6     | External Voltage <a href="#">Operand</a>    |
| 50082 | UInt16 | 1000 | 0 | 60000 | External Voltage High level                 |
| 50083 | UInt16 | 0    | 0 | 60000 | External Voltage Low level                  |
| 50084 | UInt8  | 0    | 0 | 1     | External Voltage <a href="#">Event only</a> |
| 50085 | UInt16 | 10   | 0 | 65535 | External Voltage Average                    |
| 7008  | UInt8  | 0    | 0 | 10    | Send SMS                                    |
| 8008  | String | 0    | 0 | 160   | SMS Text                                    |
| 50090 | UInt8  | 1    | 0 | 3     | Speed <a href="#">Priority</a>              |
| 50091 | UInt8  | 3    | 0 | 6     | Speed <a href="#">Operand</a>               |
| 50092 | UInt16 | 0    | 0 | 300   | Speed High level                            |
| 50093 | UInt16 | 0    | 0 | 300   | Speed Low level                             |
| 50094 | UInt8  | 0    | 0 | 1     | Speed <a href="#">Event only</a>            |
| 50095 | UInt16 | 1    | 0 | 65535 | Speed Average                               |
| 7009  | UInt8  | 0    | 0 | 10    | Send SMS                                    |
| 8009  | String | 0    | 0 | 160   | SMS Text                                    |
| 50100 | UInt8  | 0    | 0 | 3     | GSM Cell ID <a href="#">Priority</a>        |

|       |        |   |   |          |                                                |
|-------|--------|---|---|----------|------------------------------------------------|
| 50101 | UInt8  | 3 | 0 | 6        | GSM Cell ID <a href="#">Operand</a>            |
| 50102 | UInt32 | 0 | 0 | 999999   | GSM Cell ID High level                         |
| 50103 | UInt32 | 0 | 0 | 999999   | GSM Cell ID Low level                          |
| 50104 | UInt8  | 0 | 0 | 1        | GSM Cell ID <a href="#">Event only</a>         |
| 7010  | UInt8  | 0 | 0 | 10       | Send SMS                                       |
| 8010  | String | 0 | 0 | 160      | SMS Text                                       |
| 50110 | UInt8  | 0 | 0 | 3        | GSM Area Code <a href="#">Priority</a>         |
| 50111 | UInt8  | 3 | 0 | 6        | GSM Area Code <a href="#">Operand</a>          |
| 50112 | UInt32 | 0 | 0 | 999999   | GSM Area Code High level                       |
| 50113 | UInt32 | 0 | 0 | 999999   | GSM Area Code Low level                        |
| 50114 | UInt8  | 0 | 0 | 1        | GSM Area Code <a href="#">Event only</a>       |
| 7011  | UInt8  | 0 | 0 | 10       | Send SMS                                       |
| 8011  | String | 0 | 0 | 160      | SMS Text                                       |
| 50120 | UInt8  | 1 | 0 | 3        | Battery Voltage <a href="#">Priority</a>       |
| 50121 | UInt8  | 3 | 0 | 6        | Battery Voltage <a href="#">Operand</a>        |
| 50122 | UInt16 | 0 | 0 | 5000     | Battery Voltage High level                     |
| 50123 | UInt16 | 0 | 0 | 5000     | Battery Voltage Low level                      |
| 50124 | UInt8  | 0 | 0 | 1        | Battery Voltage <a href="#">Event only</a>     |
| 50125 | UInt8  | 0 | 0 | 10       | Battery Voltage Average                        |
| 7012  | UInt8  | 0 | 0 | 10       | Send SMS                                       |
| 8012  | String | 0 | 0 | 160      | SMS Text                                       |
| 50130 | UInt8  | 1 | 0 | 3        | Battery Current <a href="#">Priority</a>       |
| 50131 | UInt8  | 3 | 0 | 6        | Battery Current <a href="#">Operand</a>        |
| 50132 | UInt16 | 0 | 0 | 5000     | Battery Current High level                     |
| 50133 | UInt16 | 0 | 0 | 5000     | Battery Current Low level                      |
| 50134 | UInt8  | 0 | 0 | 1        | Battery Current <a href="#">Event only</a>     |
| 50135 | UInt8  | 0 | 0 | 10       | Battery Current Average                        |
| 7013  | UInt8  | 0 | 0 | 10       | Send SMS                                       |
| 8013  | String | 0 | 0 | 160      | SMS Text                                       |
| 50140 | UInt8  | 0 | 0 | 3        | Active GSM Operator <a href="#">Priority</a>   |
| 50141 | UInt8  | 3 | 0 | 6        | Active GSM Operator <a href="#">Operand</a>    |
| 50142 | UInt32 | 0 | 0 | 999999   | Active GSM Operator High level                 |
| 50143 | UInt32 | 0 | 0 | 999999   | Active GSM Operator Low level                  |
| 50144 | UInt8  | 0 | 0 | 1        | Active GSM Operator <a href="#">Event only</a> |
| 7014  | UInt8  | 0 | 0 | 10       | Send SMS                                       |
| 8014  | String | 0 | 0 | 160      | SMS Text                                       |
| 50150 | UInt8  | 0 | 0 | 3        | Trip Odometer <a href="#">Priority</a>         |
| 50151 | UInt8  | 3 | 0 | 6        | Trip Odometer <a href="#">Operand</a>          |
| 50152 | UInt32 | 0 | 0 | 1000000  | Trip Odometer High level                       |
| 50153 | UInt32 | 0 | 0 | 1000000  | Trip Odometer Low level                        |
| 50154 | UInt8  | 0 | 0 | 1        | Trip Odometer <a href="#">Event only</a>       |
| 7015  | UInt8  | 0 | 0 | 10       | Send SMS                                       |
| 8015  | String | 0 | 0 | 160      | SMS Text                                       |
| 50160 | UInt8  | 0 | 0 | 3        | Total Odometer <a href="#">Priority</a>        |
| 50161 | UInt8  | 3 | 0 | 6        | Total Odometer <a href="#">Operand</a>         |
| 50162 | UInt32 | 0 | 0 | 10000000 | Total Odometer High level                      |
| 50163 | UInt32 | 0 | 0 | 10000000 | Total Odometer Low level                       |
| 50164 | UInt8  | 0 | 0 | 1        | Total Odometer <a href="#">Event only</a>      |
| 7016  | UInt8  | 0 | 0 | 10       | Send SMS                                       |
| 8016  | String | 0 | 0 | 160      | SMS Text                                       |
| 50170 | UInt8  | 0 | 0 | 3        | Digital Input 1 <a href="#">Priority</a>       |
| 50171 | UInt8  | 3 | 0 | 6        | Digital Input 1 <a href="#">Operand</a>        |
| 50172 | UInt8  | 0 | 0 | 1        | Digital Input 1 High level                     |
| 50173 | UInt8  | 0 | 0 | 1        | Digital Input 1 Low level                      |
| 50174 | UInt8  | 0 | 0 | 1        | Digital Input 1 <a href="#">Event only</a>     |
| 50175 | UInt16 | 1 | 0 | 65535    | Digital Input 1 Average                        |
| 7017  | UInt8  | 0 | 0 | 10       | Send SMS                                       |
| 8017  | String | 0 | 0 | 160      | SMS Text                                       |
| 50180 | UInt8  | 0 | 0 | 3        | Analog Input 1 <a href="#">Priority</a>        |

|       |        |    |       |         |                                             |
|-------|--------|----|-------|---------|---------------------------------------------|
| 50181 | UInt8  | 3  | 0     | 6       | Analog Input 1 <a href="#">Operand</a>      |
| 50182 | UInt16 | 0  | 0     | 30000   | Analog Input 1 High level                   |
| 50183 | UInt16 | 0  | 0     | 30000   | Analog Input 1 Low level                    |
| 50184 | UInt8  | 0  | 0     | 1       | Analog Input 1 <a href="#">Event only</a>   |
| 50185 | UInt16 | 10 | 0     | 65535   | Analog Input 1 Average                      |
| 7018  | UInt8  | 0  | 0     | 10      | Send SMS                                    |
| 8018  | String | 0  | 0     | 160     | SMS Text                                    |
| 50190 | UInt8  | 0  | 0     | 3       | Digital Output 1 <a href="#">Priority</a>   |
| 50191 | UInt8  | 0  | 0     | 6       | Digital Output 1 <a href="#">Operand</a>    |
| 50192 | UInt8  | 0  | 0     | 1       | Digital Output 1 High level                 |
| 50193 | UInt8  | 0  | 0     | 1       | Digital Output 1 Low level                  |
| 50194 | UInt8  | 0  | 0     | 1       | Digital Output 1 <a href="#">Event only</a> |
| 50195 | UInt16 | 1  | 0     | 65535   | Digital Output 1 Average                    |
| 7019  | UInt8  | 0  | 0     | 10      | Send SMS                                    |
| 8019  | String | 0  | 0     | 160     | SMS Text                                    |
| 50200 | UInt8  | 0  | 0     | 3       | Fuel Used GPS <a href="#">Priority</a>      |
| 50201 | UInt8  | 3  | 0     | 6       | Fuel Used GPS <a href="#">Operand</a>       |
| 50202 | UInt32 | 0  | 0     | 1000000 | Fuel Used GPS High level                    |
| 50203 | UInt32 | 0  | 0     | 1000000 | Fuel Used GPS Low level                     |
| 50204 | UInt8  | 0  | 0     | 1       | Fuel Used GPS <a href="#">Event only</a>    |
| 50205 | UInt16 | 1  | 0     | 65535   | Fuel Used GPS Average                       |
| 7020  | UInt8  | 0  | 0     | 10      | Send SMS                                    |
| 8020  | String | 0  | 0     | 160     | SMS Text                                    |
| 50210 | UInt8  | 0  | 0     | 3       | Fuel Rate GPS <a href="#">Priority</a>      |
| 50211 | UInt8  | 3  | 0     | 6       | Fuel Rate GPS <a href="#">Operand</a>       |
| 50212 | UInt32 | 0  | 0     | 1000000 | Fuel Rate GPS High level                    |
| 50213 | UInt32 | 0  | 0     | 1000000 | Fuel Rate GPS Low level                     |
| 50214 | UInt8  | 0  | 0     | 1       | Fuel Rate GPS <a href="#">Event only</a>    |
| 50215 | UInt16 | 1  | 0     | 65535   | Fuel Rate GPS Average                       |
| 7021  | UInt8  | 0  | 0     | 10      | Send SMS                                    |
| 8021  | String | 0  | 0     | 160     | SMS Text                                    |
| 50220 | UInt8  | 0  | 0     | 3       | Axis X <a href="#">Priority</a>             |
| 50221 | UInt8  | 3  | 0     | 6       | Axis X <a href="#">Operand</a>              |
| 50222 | UInt16 | 0  | -8000 | 8000    | Axis X High level                           |
| 50223 | UInt16 | 0  | -8000 | 8000    | Axis X Low level                            |
| 50224 | UInt8  | 0  | 0     | 1       | Axis X <a href="#">Event only</a>           |
| 50225 | UInt16 | 1  | 0     | 65535   | Axis X Average                              |
| 7022  | UInt8  | 0  | 0     | 10      | Send SMS                                    |
| 8022  | String | 0  | 0     | 160     | SMS Text                                    |
| 50230 | UInt8  | 0  | 0     | 3       | Axis Y <a href="#">Priority</a>             |
| 50231 | UInt8  | 3  | 0     | 6       | Axis Y <a href="#">Operand</a>              |
| 50232 | UInt16 | 0  | -8000 | 8000    | Axis Y High level                           |
| 50233 | UInt16 | 0  | -8000 | 8000    | Axis Y Low level                            |
| 50234 | UInt8  | 0  | 0     | 1       | Axis Y <a href="#">Event only</a>           |
| 50235 | UInt16 | 1  | 0     | 65535   | Axis Y Average                              |
| 7023  | UInt8  | 0  | 0     | 10      | Send SMS                                    |
| 8023  | String | 0  | 0     | 160     | SMS Text                                    |
| 50240 | UInt8  | 0  | 0     | 3       | Axis Z <a href="#">Priority</a>             |
| 50241 | UInt8  | 3  | 0     | 6       | Axis Z <a href="#">Operand</a>              |
| 50242 | UInt16 | 0  | -8000 | 8000    | Axis Z High level                           |
| 50243 | UInt16 | 0  | -8000 | 8000    | Axis Z Low level                            |
| 50244 | UInt8  | 0  | 0     | 1       | Axis Z <a href="#">Event only</a>           |
| 50245 | UInt16 | 1  | 0     | 65535   | Axis Z Average                              |
| 7024  | UInt8  | 0  | 0     | 10      | Send SMS                                    |
| 8024  | String | 0  | 0     | 160     | SMS Text                                    |
| 50250 | UInt8  | 0  | 0     | 3       | ICCID <a href="#">Priority</a>              |
| 50251 | UInt8  | 3  | 0     | 6       | ICCID <a href="#">Operand</a>               |
| 50254 | UInt8  | 0  | 0     | 1       | ICCID <a href="#">Event only</a>            |
| 7069  | UInt8  | 0  | 0     | 10      | Send SMS                                    |

|       |        |   |     |       |                                                 |
|-------|--------|---|-----|-------|-------------------------------------------------|
| 8069  | String | 0 | 0   | 160   | SMS Text                                        |
| 50260 | UInt8  | 0 | 0   | 3     | SD Status <a href="#">Priority</a>              |
| 50261 | UInt8  | 3 | 0   | 6     | SD Status <a href="#">Operand</a>               |
| 50262 | UInt8  | 0 | 0   | 1     | SD Status High level                            |
| 50263 | UInt8  | 0 | 0   | 1     | SD Status Low level                             |
| 7070  | UInt8  | 0 | 0   | 10    | Send SMS                                        |
| 8070  | String | 0 | 0   | 160   | SMS Text                                        |
| 50270 | UInt8  | 0 | 0   | 3     | Digital Input 2 <a href="#">Priority</a>        |
| 50271 | UInt8  | 3 | 0   | 6     | Digital Input 2 <a href="#">Operand</a>         |
| 50272 | UInt8  | 0 | 0   | 1     | Digital Input 2 High level                      |
| 50273 | UInt8  | 0 | 0   | 1     | Digital Input 2 Low level                       |
| 50274 | UInt8  | 0 | 0   | 1     | Digital Input 2 <a href="#">Event only</a>      |
| 50275 | UInt16 | 0 | 0   | 65535 | Digital Input 2 Average                         |
| 7116  | UInt8  | 0 | 0   | 10    | Send SMS                                        |
| 8116  | String | 0 | 0   | 160   | SMS Text                                        |
| 50280 | UInt8  | 0 | 0   | 3     | Digital Input 3 <a href="#">Priority</a>        |
| 50281 | UInt8  | 3 | 0   | 6     | Digital Input 3 <a href="#">Operand</a>         |
| 50282 | UInt8  | 0 | 0   | 1     | Digital Input 3 High level                      |
| 50283 | UInt8  | 0 | 0   | 1     | Digital Input 3 Low level                       |
| 50284 | UInt8  | 0 | 0   | 1     | Digital Input 3 <a href="#">Event only</a>      |
| 50285 | UInt16 | 0 | 0   | 65535 | Digital Input 3 Average                         |
| 7117  | UInt8  | 0 | 0   | 10    | Send SMS                                        |
| 8117  | String | 0 | 0   | 160   | SMS Text                                        |
| 50290 | UInt8  | 0 | 0   | 3     | Analog Input 2 <a href="#">Priority</a>         |
| 50291 | UInt8  | 3 | 0   | 6     | Analog Input 2 <a href="#">Operand</a>          |
| 50292 | UInt16 | 0 | 0   | 30000 | Analog Input 2 High level                       |
| 50293 | UInt16 | 0 | 0   | 30000 | Analog Input 2 Low level                        |
| 50294 | UInt8  | 0 | 0   | 1     | Analog Input 2 <a href="#">Event only</a>       |
| 50295 | UInt16 | 0 | 0   | 65535 | Analog Input 2 Average                          |
| 7117  | UInt8  | 0 | 0   | 10    | Send SMS                                        |
| 8117  | String | 0 | 0   | 160   | SMS Text                                        |
| 50300 | UInt8  | 0 | 0   | 3     | Digital Output 2 <a href="#">Priority</a>       |
| 50301 | UInt8  | 3 | 0   | 6     | Digital Output 2 <a href="#">Operand</a>        |
| 50302 | UInt8  | 0 | 0   | 1     | Digital Output 2 Hight level                    |
| 50303 | UInt8  | 0 | 0   | 1     | Digital Output 2 Low level                      |
| 50304 | UInt8  | 0 | 0   | 1     | Digital Output 2 <a href="#">Event only</a>     |
| 50305 | UInt16 | 1 | 0   | 65535 | Digital Output 2 Average                        |
| 7119  | UInt8  | 0 | 0   | 10    | Send SMS                                        |
| 8119  | String | 0 | 0   | 160   | SMS Text                                        |
| 50310 | UInt8  | 0 | 0   | 3     | Dallas Temperature 1 <a href="#">Priority</a>   |
| 50311 | UInt8  | 3 | 0   | 6     | Dallas Temperature 1 <a href="#">Operand</a>    |
| 50312 | Int8   | 0 | -55 | 125   | Dallas Temperature 1 High level                 |
| 50313 | Int8   | 0 | -55 | 125   | Dallas Temperature 1 Low level                  |
| 50314 | UInt8  | 0 | 0   | 1     | Dallas Temperature 1 <a href="#">Event only</a> |
| 50315 | UInt16 | 0 | 0   | 65535 | Dallas Temperature 1 Average                    |
| 7120  | UInt8  | 0 | 0   | 10    | Send SMS                                        |
| 8120  | String | 0 | 0   | 160   | SMS Text                                        |
| 50320 | UInt8  | 0 | 0   | 3     | Dallas Temperature 2 <a href="#">Priority</a>   |
| 50321 | UInt8  | 3 | 0   | 6     | Dallas Temperature 2 <a href="#">Operand</a>    |
| 50322 | Int8   | 0 | -55 | 125   | Dallas Temperature 2 High level                 |
| 50323 | Int8   | 0 | -55 | 125   | Dallas Temperature 2 Low level                  |
| 50324 | UInt8  | 0 | 0   | 1     | Dallas Temperature 2 <a href="#">Event only</a> |
| 50325 | UInt16 | 0 | 0   | 65535 | Dallas Temperature 2 Average                    |
| 7121  | UInt8  | 0 | 0   | 10    | Send SMS                                        |
| 8121  | String | 0 | 0   | 160   | SMS Text                                        |
| 50330 | UInt8  | 0 | 0   | 3     | Dallas Temperature 3 <a href="#">Priority</a>   |
| 50331 | UInt8  | 3 | 0   | 6     | Dallas Temperature 3 <a href="#">Operand</a>    |
| 50332 | Int8   | 0 | -55 | 125   | Dallas Temperature 3 High level                 |
| 50333 | Int8   | 0 | -55 | 125   | Dallas Temperature 3 Low level                  |

|       |        |   |     |           |                                                    |
|-------|--------|---|-----|-----------|----------------------------------------------------|
| 50334 | UInt8  | 0 | 0   | 1         | Dallas Temperature 3 <a href="#">Event only</a>    |
| 50335 | UInt16 | 0 | 0   | 65535     | Dallas Temperature 3 Average                       |
| 7122  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8122  | String | 0 | 0   | 160       | SMS Text                                           |
| 50340 | UInt8  | 0 | 0   | 3         | Dallas Temperature 4 <a href="#">Priority</a>      |
| 50341 | UInt8  | 3 | 0   | 6         | Dallas Temperature 4 <a href="#">Operand</a>       |
| 50342 | Int8   | 0 | -55 | 125       | Dallas Temperature 4 High level                    |
| 50343 | Int8   | 0 | -55 | 125       | Dallas Temperature 4 Low level                     |
| 50344 | UInt8  | 0 | 0   | 1         | Dallas Temperature 4 <a href="#">Event only</a>    |
| 50345 | UInt16 | 0 | 0   | 65535     | Dallas Temperature 4 Average                       |
| 7123  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8123  | String | 0 | 0   | 160       | SMS Text                                           |
| 50350 | UInt8  | 0 | 0   | 3         | Dallas Temperature ID 1 <a href="#">Priority</a>   |
| 50351 | UInt8  | 3 | 0   | 6         | Dallas Temperature ID 1 <a href="#">Operand</a>    |
| 50352 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 1 High level                 |
| 50353 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 1 Low level                  |
| 50354 | UInt8  | 0 | 0   | 1         | Dallas Temperature ID 1 <a href="#">Event only</a> |
| 50355 | UInt16 | 0 | 0   | 65535     | Dallas Temperature ID 1 Average                    |
| 7124  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8124  | String | 0 | 0   | 160       | SMS Text                                           |
| 50360 | UInt8  | 0 | 0   | 3         | Dallas Temperature ID 2 <a href="#">Priority</a>   |
| 50361 | UInt8  | 3 | 0   | 6         | Dallas Temperature ID 2 <a href="#">Operand</a>    |
| 50362 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 2 High level                 |
| 50363 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 2 Low level                  |
| 50364 | UInt8  | 0 | 0   | 1         | Dallas Temperature ID 2 <a href="#">Event only</a> |
| 50365 | UInt16 | 0 | 0   | 65535     | Dallas Temperature ID 2 Average                    |
| 7125  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8125  | String | 0 | 0   | 160       | SMS Text                                           |
| 50370 | UInt8  | 0 | 0   | 3         | Dallas Temperature ID 3 <a href="#">Priority</a>   |
| 50371 | UInt8  | 3 | 0   | 6         | Dallas Temperature ID 3 <a href="#">Operand</a>    |
| 50372 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 3 High level                 |
| 50373 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 3 Low level                  |
| 50374 | UInt8  | 0 | 0   | 1         | Dallas Temperature ID 3 <a href="#">Event only</a> |
| 50375 | UInt16 | 0 | 0   | 65535     | Dallas Temperature ID 3 Average                    |
| 7126  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8126  | String | 0 | 0   | 160       | SMS Text                                           |
| 50380 | UInt8  | 0 | 0   | 3         | Dallas Temperature ID 4 <a href="#">Priority</a>   |
| 50381 | UInt8  | 3 | 0   | 6         | Dallas Temperature ID 4 <a href="#">Operand</a>    |
| 50382 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 4 High level                 |
| 50383 | UInt32 | 0 | 0   | 999999999 | Dallas Temperature ID 4 Low level                  |
| 50384 | UInt8  | 0 | 0   | 1         | Dallas Temperature ID 4 <a href="#">Event only</a> |
| 50385 | UInt16 | 0 | 0   | 65535     | Dallas Temperature ID 4 Average                    |
| 7127  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8127  | String | 0 | 0   | 160       | SMS Text                                           |
| 50390 | UInt8  | 0 | 0   | 3         | iButton <a href="#">Priority</a>                   |
| 50391 | UInt8  | 3 | 0   | 6         | iButton <a href="#">Operand</a>                    |
| 50392 | UInt32 | 0 | 0   | 999999999 | iButton High level                                 |
| 50393 | UInt32 | 0 | 0   | 999999999 | iButton Low level                                  |
| 50394 | UInt8  | 0 | 0   | 1         | iButton <a href="#">Event only</a>                 |
| 50395 | UInt16 | 0 | 0   | 65535     | iButton Average                                    |
| 7128  | UInt8  | 0 | 0   | 10        | Send SMS                                           |
| 8128  | String | 0 | 0   | 160       | SMS Text                                           |
| 50400 | UInt8  | 0 | 0   | 3         | RFID <a href="#">Priority</a>                      |
| 50401 | UInt8  | 3 | 0   | 6         | RFID <a href="#">Operand</a>                       |
| 50402 | UInt8  | 0 | 0   | 999999999 | RFID High level                                    |
| 50403 | UInt8  | 0 | 0   | 999999999 | RFID Low level                                     |
| 50404 | UInt8  | 0 | 0   | 1         | RFID <a href="#">Event only</a>                    |
| 50405 | UInt16 | 1 | 0   | 65535     | RFID Average                                       |
| 7129  | UInt8  | 0 | 0   | 10        | Send SMS                                           |

|       |        |   |      |       |                                             |
|-------|--------|---|------|-------|---------------------------------------------|
| 8129  | String | 0 | 0    | 160   | SMS Text                                    |
| 50410 | UInt8  | 0 | 0    | 3     | LLS1 Fuel Level <a href="#">Priority</a>    |
| 50411 | UInt8  | 3 | 0    | 6     | LLS1 Fuel Level <a href="#">Operand</a>     |
| 50412 | UInt8  | 0 | 0    | 65535 | LLS1 Fuel Level High level                  |
| 50413 | UInt8  | 0 | 0    | 65535 | LLS1 Fuel Level Low level                   |
| 50414 | UInt8  | 0 | 0    | 1     | LLS1 Fuel Level <a href="#">Event only</a>  |
| 50415 | UInt16 | 1 | 0    | 65535 | LLS1 Fuel Level Average                     |
| 7130  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8130  | String | 0 | 0    | 160   | SMS Text                                    |
| 50420 | UInt8  | 0 | 0    | 3     | LLS2 Fuel Level <a href="#">Priority</a>    |
| 50421 | UInt8  | 3 | 0    | 6     | LLS2 Fuel Level <a href="#">Operand</a>     |
| 50422 | UInt8  | 0 | 0    | 65535 | LLS2 Fuel Level High level                  |
| 50423 | UInt8  | 0 | 0    | 65535 | LLS2 Fuel Level Low level                   |
| 50424 | UInt8  | 0 | 0    | 1     | LLS2 Fuel Level <a href="#">Event only</a>  |
| 50425 | UInt16 | 1 | 0    | 65535 | LLS2 Fuel Level Average                     |
| 7131  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8131  | String | 0 | 0    | 160   | SMS Text                                    |
| 50430 | UInt8  | 0 | 0    | 3     | LLS3 Fuel Level <a href="#">Priority</a>    |
| 50431 | UInt8  | 3 | 0    | 6     | LLS3 Fuel Level <a href="#">Operand</a>     |
| 50432 | UInt8  | 0 | 0    | 65535 | LLS3 Fuel Level High level                  |
| 50433 | UInt8  | 0 | 0    | 65535 | LLS3 Fuel Level Low level                   |
| 50434 | UInt8  | 0 | 0    | 1     | LLS3 Fuel Level <a href="#">Event only</a>  |
| 50435 | UInt16 | 1 | 0    | 65535 | LLS3 Fuel Level Average                     |
| 7132  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8132  | String | 0 | 0    | 160   | SMS Text                                    |
| 50440 | UInt8  | 0 | 0    | 3     | LLS4 Fuel Level <a href="#">Priority</a>    |
| 50441 | UInt8  | 3 | 0    | 6     | LLS4 Fuel Level <a href="#">Operand</a>     |
| 50442 | UInt8  | 0 | 0    | 65535 | LLS4 Fuel Level High level                  |
| 50443 | UInt8  | 0 | 0    | 65535 | LLS4 Fuel Level Low level                   |
| 50444 | UInt8  | 0 | 0    | 1     | LLS4 Fuel Level <a href="#">Event only</a>  |
| 50445 | UInt16 | 1 | 0    | 65535 | LLS4 Fuel Level Average                     |
| 7133  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8133  | String | 0 | 0    | 160   | SMS Text                                    |
| 50450 | UInt8  | 0 | 0    | 3     | LLS5 Fuel Level <a href="#">Priority</a>    |
| 50451 | UInt8  | 3 | 0    | 6     | LLS5 Fuel Level <a href="#">Operand</a>     |
| 50452 | UInt8  | 0 | 0    | 65535 | LLS5 Fuel Level High level                  |
| 50453 | UInt8  | 0 | 0    | 65535 | LLS5 Fuel Level Low level                   |
| 50454 | UInt8  | 0 | 0    | 1     | LLS5 Fuel Level <a href="#">Event only</a>  |
| 50455 | UInt16 | 1 | 0    | 65535 | LLS5 Fuel Level Average                     |
| 7134  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8134  | String | 0 | 0    | 160   | SMS Text                                    |
| 50460 | UInt8  | 0 | 0    | 3     | LLS1 Temperature <a href="#">Priority</a>   |
| 50461 | UInt8  | 3 | 0    | 6     | LLS1 Temperature <a href="#">Operand</a>    |
| 50462 | UInt8  | 0 | -128 | 127   | LLS1 Temperature High level                 |
| 50463 | UInt8  | 0 | -128 | 127   | LLS1 Temperature Low level                  |
| 50464 | UInt8  | 0 | 0    | 1     | LLS1 Temperature <a href="#">Event only</a> |
| 50465 | UInt16 | 1 | 0    | 65535 | LLS1 Temperature Average                    |
| 7135  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8135  | String | 0 | 0    | 160   | SMS Text                                    |
| 50470 | UInt8  | 0 | 0    | 3     | LLS2 Temperature <a href="#">Priority</a>   |
| 50471 | UInt8  | 3 | 0    | 6     | LLS2 Temperature <a href="#">Operand</a>    |
| 50472 | UInt8  | 0 | -128 | 127   | LLS2 Temperature High level                 |
| 50473 | UInt8  | 0 | -128 | 127   | LLS2 Temperature Low level                  |
| 50474 | UInt8  | 0 | 0    | 1     | LLS2 Temperature <a href="#">Event only</a> |
| 50475 | UInt16 | 1 | 0    | 65535 | LLS2 Temperature Average                    |
| 7136  | UInt8  | 0 | 0    | 10    | Send SMS                                    |
| 8136  | String | 0 | 0    | 160   | SMS Text                                    |
| 50480 | UInt8  | 0 | 0    | 3     | LLS3 Temperature <a href="#">Priority</a>   |
| 50481 | UInt8  | 3 | 0    | 6     | LLS3 Temperature <a href="#">Operand</a>    |



|       |        |   |      |       |                                                |
|-------|--------|---|------|-------|------------------------------------------------|
| 50482 | UInt8  | 0 | -128 | 127   | LLS3 Temperature High level                    |
| 50483 | UInt8  | 0 | -128 | 127   | LLS3 Temperature Low level                     |
| 50484 | UInt8  | 0 | 0    | 1     | LLS3 Temperature <a href="#">Event only</a>    |
| 50485 | UInt16 | 1 | 0    | 65535 | LLS3 Temperature Average                       |
| 7137  | UInt8  | 0 | 0    | 10    | Send SMS                                       |
| 8137  | String | 0 | 0    | 160   | SMS Text                                       |
| 50490 | UInt8  | 0 | 0    | 3     | LLS4 Temperature <a href="#">Priority</a>      |
| 50491 | UInt8  | 3 | 0    | 6     | LLS4 Temperature <a href="#">Operand</a>       |
| 50492 | UInt8  | 0 | -128 | 127   | LLS4 Temperature High level                    |
| 50493 | UInt8  | 0 | -128 | 127   | LLS4 Temperature Low level                     |
| 50494 | UInt8  | 0 | 0    | 1     | LLS4 Temperature <a href="#">Event only</a>    |
| 50495 | UInt16 | 1 | 0    | 65535 | LLS4 Temperature Average                       |
| 7138  | UInt8  | 0 | 0    | 10    | Send SMS                                       |
| 8138  | String | 0 | 0    | 160   | SMS Text                                       |
| 50500 | UInt8  | 0 | 0    | 3     | LLS5 Temperature <a href="#">Priority</a>      |
| 50501 | UInt8  | 3 | 0    | 6     | LLS5 Temperature <a href="#">Operand</a>       |
| 50502 | UInt8  | 0 | -128 | 127   | LLS5 Temperature High level                    |
| 50503 | UInt8  | 0 | -128 | 127   | LLS5 Temperature Low level                     |
| 50504 | UInt8  | 0 | 0    | 1     | LLS5 Temperature <a href="#">Event only</a>    |
| 50505 | UInt16 | 1 | 0    | 65535 | LLS5 Temperature Average                       |
| 7139  | UInt8  | 0 | 0    | 10    | Send SMS                                       |
| 8139  | String | 0 | 0    | 160   | SMS Text                                       |
| 50510 | UInt8  | 0 | 0    | 3     | Eco Score <a href="#">Priority</a>             |
| 50511 | UInt8  | 3 | 0    | 6     | Eco Score <a href="#">Operand</a>              |
| 50512 | UInt8  | 0 | 0    | 1     | Eco Score High level                           |
| 50513 | UInt8  | 0 | 0    | 1     | Eco Score Low level                            |
| 50514 | UInt8  | 0 | 0    | 1     | Eco Score <a href="#">Event only</a>           |
| 7220  | UInt8  | 0 | 0    | 10    | Send SMS                                       |
| 8220  | String | 0 | 0    | 160   | SMS Text                                       |
| 50690 | UInt8  | 0 | 0    | 3     | Battery level % <a href="#">Priority</a>       |
| 50691 | UInt8  | 0 | 0    | 6     | Battery level % <a href="#">Operand</a>        |
| 50692 | UInt8  | 0 | 0    | 100   | Battery level % High level                     |
| 50693 | UInt8  | 0 | 0    | 100   | Battery level % Low level                      |
| 50694 | UInt8  | 0 | 0    | 1     | Battery level % <a href="#">Event only</a>     |
| 50695 | UInt16 | 1 | 0    | 65535 | Battery level % Average                        |
| 7243  | UInt8  | 0 | 0    | 10    | Send SMS                                       |
| 8243  | String | 0 | 0    | 160   | SMS Text                                       |
| 50720 | UInt8  | 0 | 0    | 3     | BT Status <a href="#">Priority</a>             |
| 50721 | UInt8  | 5 | 0    | 6     | BT Status <a href="#">Operand</a>              |
| 50722 | UInt8  | 0 | 0    | 4     | BT Status High level                           |
| 50723 | UInt8  | 0 | 0    | 3     | BT Status Low level                            |
| 50724 | UInt8  | 0 | 0    | 1     | BT Status <a href="#">Event only</a>           |
| 50725 | UInt16 | 1 | 0    | 65535 | BT Status Average                              |
| 7250  | UInt8  | 0 | 0    | 10    | Send SMS                                       |
| 8250  | String | 0 | 0    | 160   | SMS Text                                       |
| 51730 | UInt8  | 0 | 0    | 3     | ISO6709 Coordinates <a href="#">Priority</a>   |
| 51731 | UInt8  | 3 | 0    | 6     | ISO6709 Coordinates <a href="#">Operand</a>    |
| 51734 | UInt8  | 0 | 0    | 2     | ISO6709 Coordinates <a href="#">Event only</a> |
| 7376  | UInt8  | 0 | 0    | 10    | Send SMS                                       |
| 8376  | String | 0 | 0    | 160   | SMS Text                                       |

## Parameters

| Parameter name | Value                                            |
|----------------|--------------------------------------------------|
| Priority       | 0 - Disabled<br>1 - Low<br>2 - High<br>3 - Panic |

- Operand**

0 - On Exit  
1 - On Entrance  
2 - On Both  
3 - Monitoring  
4 - On Hysteresis  
5 - On Change  
6 - On Delta Change
- Event only**

0 - Disabled  
1 - Enabled

OBD II (Bluetooth)

| Parameter ID | Parameter Type | Default value   | Value range |     | Value                                                                                                                                 | Parameter name |
|--------------|----------------|-----------------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------|----------------|
|              |                |                 | Min         | Max |                                                                                                                                       |                |
| 40100        | Uint8          | 0               | 0           | 3   | 0 - Disabled<br>1 - Low<br>2 - High<br>3 - Panic                                                                                      | Priority       |
| 40101        | Uint8          | 3               | 0           | 6   | 0 - On range exit<br>1 - On range entrance<br>2 - On both<br>3 - Monitoring<br>4 - Hysteresis<br>5 - On change<br>6 - On delta change | Operand        |
| 40102        | Uint8          | 0               | 0           | 255 | High value                                                                                                                            | High level     |
| 40103        | Uint8          | 0               | 0           | 255 | Low value                                                                                                                             | Low level      |
| 40104        | Uint8          | 0               | 0           | 1   | 0 - Disable<br>1 - Enable                                                                                                             | Event only     |
| 7038         | Uint8          | 0               | 0           | 10  | Phone number                                                                                                                          | Send SMS to    |
| 8038         | String         | "Number of DTC" | 0           | 160 | Text                                                                                                                                  | SMS text       |

Similarly to a group defined in the upper table:

| Name                                | Parameter |           |            |            |         |             |          |
|-------------------------------------|-----------|-----------|------------|------------|---------|-------------|----------|
|                                     | Priority  | Low level | High level | Event only | Operand | Send SMS to | SMS text |
| Number Of DTC                       | 40100     | 40103     | 40102      | 40104      | 40101   | 7038        | 8038     |
| Engine Load                         | 40110     | 40113     | 40112      | 40114      | 40111   | 7039        | 8039     |
| Coolant Temperature                 | 40120     | 40123     | 40122      | 40124      | 40121   | 7040        | 8040     |
| Short Fuel Trim                     | 40130     | 40133     | 40132      | 40134      | 40131   | 7041        | 8041     |
| Fuel Pressure                       | 40140     | 40143     | 40142      | 40144      | 40141   | 7042        | 8042     |
| Intake Map                          | 40150     | 40153     | 40152      | 40154      | 40151   | 7043        | 8043     |
| Engine RPM                          | 40160     | 40163     | 40162      | 40164      | 40161   | 7044        | 8044     |
| Vehicle speed                       | 40170     | 40173     | 40172      | 40174      | 40171   | 7045        | 8045     |
| Timing advance                      | 40180     | 40183     | 40182      | 40184      | 40181   | 7046        | 8046     |
| Intake air temperature              | 40190     | 40193     | 40192      | 40194      | 40191   | 7047        | 8047     |
| MAF                                 | 40200     | 40203     | 40202      | 40204      | 40201   | 7048        | 8048     |
| Throttle position                   | 40210     | 40213     | 40212      | 40214      | 40211   | 7049        | 8049     |
| Run time since engine start         | 40220     | 40223     | 40222      | 40224      | 40221   | 7050        | 8050     |
| Distance traveled MIL on            | 40230     | 40233     | 40232      | 40234      | 40231   | 7051        | 8051     |
| Relative fuel rail pressure         | 40240     | 40243     | 40242      | 40244      | 40241   | 7052        | 8052     |
| Direct fuel rail pressure           | 40250     | 40253     | 40252      | 40254      | 40251   | 7053        | 8053     |
| Commanded EGR                       | 40260     | 40263     | 40262      | 40264      | 40261   | 7054        | 8054     |
| EGR error                           | 40270     | 40273     | 40272      | 40274      | 40271   | 7055        | 8055     |
| Fuel level                          | 40280     | 40283     | 40282      | 40284      | 40281   | 7056        | 8056     |
| Distance traveled since codes clear | 40290     | 40293     | 40292      | 40294      | 40291   | 7057        | 8057     |

|                                    |       |       |       |       |       |      |      |
|------------------------------------|-------|-------|-------|-------|-------|------|------|
| Barometric pressure                | 40300 | 40303 | 40302 | 40304 | 40301 | 7058 | 8058 |
| Control module voltage             | 40310 | 40313 | 40312 | 40314 | 40311 | 7059 | 8059 |
| Absolute load value                | 40320 | 40323 | 40322 | 40324 | 40321 | 7060 | 8060 |
| Ambient air temperature            | 40330 | 40333 | 40332 | 40334 | 40331 | 7061 | 8061 |
| Time run with MIL on               | 40340 | 40343 | 40342 | 40344 | 40341 | 7062 | 8062 |
| Time since trouble codes cleared   | 40350 | 40353 | 40352 | 40354 | 40351 | 7063 | 8063 |
| Fuel Type                          | 40560 | 40563 | 40562 | 40564 | 40561 | 7633 | 8633 |
| Absolute fuel rail pressure        | 40360 | 40363 | 40362 | 40364 | 40361 | 7064 | 8064 |
| Hybrid battery pack remaining life | 40370 | 40373 | 40372 | 40374 | 40371 | 7065 | 8065 |
| Engine oil temperature             | 40380 | 40383 | 40382 | 40384 | 40381 | 7066 | 8066 |
| Fuel injection timing              | 40390 | 40393 | 40392 | 40394 | 40391 | 7067 | 8067 |
| Fuel Rate                          | 40400 | 40403 | 40402 | 40404 | 40401 | 7068 | 8068 |
| Command Equivalence Ratio          | 40460 | 40463 | 40462 | 40464 | 40461 | 7524 | 8524 |
| Intake MAP (2 Bytes)               | 40470 | 40473 | 40472 | 40474 | 40471 | 7525 | 8525 |
| Hybrid Vehicle System Voltage      | 40480 | 40483 | 40482 | 40484 | 40481 | 7526 | 8526 |
| Hybrid Vehicle System Current      | 40490 | 40493 | 40492 | 40494 | 40491 | 7527 | 8527 |
| Fault Codes                        | 40420 | -     | -     | 40424 | 40421 | 7264 | 8264 |
| VIN                                | 40410 | -     | -     | 40414 | 40411 | 7241 | 8241 |
| OEM Total Mileage                  | 40430 | 40433 | 40432 | 40434 | 40431 | 7522 | 8522 |
| OEM Fuel Level                     | 40440 | 40443 | 40442 | 40444 | 40441 | 7529 | 8529 |
| OEM Remaining Distance             | 40520 | 40523 | 40522 | 40524 | 40521 | 7628 | 8628 |
| OEM Battery Charge State           | 40570 | 40573 | 40572 | 40574 | 40571 | 7634 | 8634 |
| OEM Battery Charge Level           | 40580 | 40583 | 40582 | 40584 | 40581 | 7635 | 8635 |

## LVCAN

| Parameter ID | Parameter Type | Default value       | Value range |       | Value                                                                                                                                 | Parameter name                       |
|--------------|----------------|---------------------|-------------|-------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
|              |                |                     | Min         | Max   |                                                                                                                                       |                                      |
| 45000        | Uint8          | 0                   | 0           | 2     | 0 - Auto detect<br>1 - LV-CAN200<br>2 - ALL-CAN300                                                                                    | LVCAN Mode                           |
| 45001        | Uint8          | 0                   | 0           | 1     | 0 - Disable<br>1 - Enable                                                                                                             | Send data with 0, if ignition is off |
| 45002        | Uint16         | 0                   | 0           | 999   | Value                                                                                                                                 | Program number                       |
| Parameter ID | Parameter Type | Default value       | Value range |       | Value                                                                                                                                 | Parameter name                       |
|              |                |                     | Min         | Max   |                                                                                                                                       |                                      |
| 45100        | Uint8          | 0                   | 0           | 3     | 0 - Disabled<br>1 - Low<br>2 - High<br>3 - Panic                                                                                      | Priority                             |
| 45101        | Uint8          | 3                   | 0           | 6     | 0 - On range exit<br>1 - On range entrance<br>2 - On both<br>3 - Monitoring<br>4 - Hysteresis<br>5 - On change<br>6 - On delta change | Operand                              |
| 45102        | Uint8          | 0                   | 0           | 255   | High value                                                                                                                            | High level                           |
| 45103        | Uint8          | 0                   | 0           | 255   | Low value                                                                                                                             | Low level                            |
| 45104        | Uint8          | 0                   | 0           | 1     | 0 - Disable<br>1 - Enable                                                                                                             | Event only                           |
| 45105        | Uint16         | 10                  | 0           | 65535 | Value                                                                                                                                 | Averaging constant                   |
| 7141         | Uint8          | 0                   | 0           | 10    | Phone number                                                                                                                          | Send SMS to                          |
| 81411        | String         | "LVC Vehicle speed" | 0           | 160   | Text                                                                                                                                  | SMS text                             |

Similarly to a group defined in the upper table:

| Name                                  | Parameter |         |            |           |            |           |             |          |
|---------------------------------------|-----------|---------|------------|-----------|------------|-----------|-------------|----------|
|                                       | Priority  | Operand | High level | Low level | Event only | Avg const | Send SMS to | SMS text |
| Vehicle Speed                         | 45100     | 45101   | 45102      | 45103     | 45104      | 45105     | 7141        | 8141     |
| Acceleration Pedal Position (percent) | 45110     | 45111   | 45112      | 45113     | 45114      | 45115     | 7142        | 8142     |

|                                         |       |       |       |       |       |       |      |      |
|-----------------------------------------|-------|-------|-------|-------|-------|-------|------|------|
| Fuel Consumed (liters)                  | 45120 | 45121 | 45122 | 45123 | 45124 | 45125 | 7143 | 8143 |
| Fuel Level (liters)                     | 45130 | 45131 | 45132 | 45133 | 45134 | 45135 | 7144 | 8144 |
| Engine RPM                              | 45140 | 45141 | 45142 | 45143 | 45144 | 45145 | 7145 | 8145 |
| Total Mileage                           | 45150 | 45151 | 45152 | 45153 | 45154 | 45155 | 7146 | 8146 |
| Fuel Level (percent)                    | 45160 | 45161 | 45162 | 45163 | 45164 | 45165 | 7147 | 8147 |
| Door Status                             | 45170 | 45171 | 45172 | 45173 | 45174 | 45175 | 7148 | 8148 |
| Program Number                          | 45180 | 45181 | 45182 | 45183 | 45184 | 45185 | 7149 | 8149 |
| Module ID                               | 45190 | 45191 | 45192 | 45193 | 45194 | 45195 | 7150 | 8150 |
| Engine Worktime                         | 45200 | 45201 | 45202 | 45203 | 45204 | 45205 | 7151 | 8151 |
| Engine Worktime (counted)               | 45210 | 45211 | 45212 | 45213 | 45214 | 45215 | 7152 | 8152 |
| Total Mileage (counted)                 | 45220 | 45221 | 45222 | 45223 | 45224 | 45225 | 7153 | 8153 |
| Fuel Consumed (counted)                 | 45230 | 45231 | 45232 | 45233 | 45234 | 45235 | 7154 | 8154 |
| Fuel Rate                               | 45240 | 45241 | 45242 | 45243 | 45244 | 45245 | 7155 | 8155 |
| AdBlue Level (percent)                  | 45250 | 45251 | 45252 | 45253 | 45254 | 45255 | 7156 | 8156 |
| AdBlue Level (liters)                   | 45260 | 45261 | 45262 | 45263 | 45264 | 45265 | 7157 | 8157 |
| Engine Load (percent)                   | 45270 | 45271 | 45272 | 45273 | 45274 | 45275 | 7158 | 8158 |
| Engine Temperature                      | 45280 | 45281 | 45282 | 45283 | 45284 | 45285 | 7159 | 8159 |
| Axle 1 Load                             | 45290 | 45291 | 45292 | 45293 | 45294 | 45295 | 7160 | 8160 |
| Axle 2 Load                             | 45300 | 45301 | 45302 | 45303 | 45304 | 45305 | 7161 | 8161 |
| Axle 3 Load                             | 45310 | 45311 | 45312 | 45313 | 45314 | 45315 | 7162 | 8162 |
| Axle 4 Load                             | 45320 | 45321 | 45322 | 45323 | 45324 | 45325 | 7163 | 8163 |
| Axle 5 Load                             | 45330 | 45331 | 45332 | 45333 | 45334 | 45335 | 7164 | 8164 |
| Control State Flags                     | 45340 | 45341 | 45342 | 45343 | 45344 | 45345 | 7165 | 8165 |
| Agricultural Machinery Flags            | 45350 | 45351 | 45352 | 45353 | 45354 | 45355 | 7166 | 8166 |
| Harvesting Time                         | 45360 | 45361 | 45362 | 45363 | 45364 | 45365 | 7167 | 8167 |
| Area of Harvest                         | 45370 | 45371 | 45372 | 45373 | 45374 | 45375 | 7168 | 8168 |
| Mowing Efficiency                       | 45380 | 45381 | 45382 | 45383 | 45384 | 45385 | 7169 | 8169 |
| Grain Mown Volume                       | 45390 | 45391 | 45392 | 45393 | 45394 | 45395 | 7170 | 8170 |
| Grain Moisture                          | 45400 | 45401 | 45402 | 45403 | 45404 | 45405 | 7171 | 8171 |
| Harvesting Drum RPM                     | 45410 | 45411 | 45412 | 45413 | 45414 | 45415 | 7172 | 8172 |
| Gap Under Harvesting Drum               | 45420 | 45421 | 45422 | 45423 | 45424 | 45425 | 7173 | 8173 |
| Security State Flags                    | 45430 | 45431 | 45432 | 45433 | 45434 | 45435 | 7174 | 8174 |
| Tachograph Total Vehicle Distance       | 45440 | 45441 | 45442 | 45443 | 45444 | 45445 | 7175 | 8175 |
| Trip Distance                           | 45450 | 45451 | 45452 | 45453 | 45454 | 45455 | 7176 | 8176 |
| Tachograph Vehicle Speed                | 45460 | 45461 | 45462 | 45463 | 45464 | 45465 | 7177 | 8177 |
| Tachograph Driver Card Presence         | 45470 | 45471 | 45472 | 45473 | 45474 | 45475 | 7178 | 8178 |
| Driver 1 States                         | 45480 | 45481 | 45482 | 45483 | 45484 | 45485 | 7179 | 8179 |
| Driver 2 States                         | 45490 | 45491 | 45492 | 45493 | 45494 | 45495 | 7180 | 8180 |
| Driver 1 Continuous Driving Time        | 45500 | 45501 | 45502 | 45503 | 45504 | 45505 | 7181 | 8181 |
| Driver 2 Continuous Driving Time        | 45510 | 45511 | 45512 | 45513 | 45514 | 45515 | 7182 | 8182 |
| Driver 1 Cumulative Break Time          | 45520 | 45521 | 45522 | 45523 | 45524 | 45525 | 7183 | 8183 |
| Driver 2 Cumulative Break Time          | 45530 | 45531 | 45532 | 45533 | 45534 | 45535 | 7184 | 8184 |
| Driver 1 Selected Activity Duration     | 45540 | 45541 | 45542 | 45543 | 45544 | 45545 | 7185 | 8185 |
| Driver 2 Selected Activity Duration     | 45550 | 45551 | 45552 | 45553 | 45554 | 45555 | 7186 | 8186 |
| Driver 1 Cumulative Driving Time        | 45560 | 45561 | 45562 | 45563 | 45564 | 45565 | 7187 | 8187 |
| Driver 2 Cumulative Driving Time        | 45570 | 45571 | 45572 | 45573 | 45574 | 45575 | 7188 | 8188 |
| Driver 1 ID High                        | 45580 | 45581 | 45582 | 45583 | 45584 | 45585 | 7189 | 8189 |
| Driver 1 ID Low                         | 45590 | 45591 | 45592 | 45593 | 45594 | 45595 | 7190 | 8190 |
| Driver 2 ID High                        | 45600 | 45601 | 45602 | 45603 | 45604 | 45605 | 7191 | 8191 |
| Driver 2 ID Low                         | 45610 | 45611 | 45612 | 45613 | 45614 | 45615 | 7192 | 8192 |
| Battery Temperature                     | 45620 | 45621 | 45622 | 45623 | 45624 | 45625 | 7193 | 8193 |
| Battery Level                           | 45630 | 45631 | 45632 | 45633 | 45634 | 45635 | 7194 | 8194 |
| DTC Faults                              | 45640 | 45641 | 45642 | 45643 | 45644 | 45645 | 7195 | 8195 |
| Slope of Arm                            | 45650 | 45651 | 45652 | 45653 | 45654 | 45655 | 7196 | 8196 |
| Rotation of Arm                         | 45660 | 45661 | 45662 | 45663 | 45664 | 45665 | 7197 | 8197 |
| Eject of Arm                            | 45670 | 45671 | 45672 | 45673 | 45674 | 45675 | 7198 | 8198 |
| Horizontal Distance Arm Vehicle         | 45680 | 45681 | 45682 | 45683 | 45684 | 45685 | 7199 | 8199 |
| Height Arm Above Ground                 | 45690 | 45691 | 45692 | 45693 | 45694 | 45695 | 7200 | 8200 |
| Drill RPM                               | 45700 | 45701 | 45702 | 45703 | 45704 | 45705 | 7201 | 8201 |
| Amount of Spread Salt Square Meter      | 45710 | 45711 | 45712 | 45713 | 45714 | 45715 | 7202 | 8202 |
| Battery Voltage                         | 45720 | 45721 | 45722 | 45723 | 45724 | 45725 | 7203 | 8203 |
| Amount of Spread Fine Grained Salt      | 45730 | 45731 | 45732 | 45733 | 45734 | 45735 | 7204 | 8204 |
| Amount of Spread Coarse Grained Salt    | 45740 | 45741 | 45742 | 45743 | 45744 | 45745 | 7205 | 8205 |
| Amount of Spread DiMix                  | 45750 | 45751 | 45752 | 45753 | 45754 | 45755 | 7206 | 8206 |
| Amount of Spread Coarse Grained Calcium | 45760 | 45761 | 45762 | 45763 | 45764 | 45765 | 7207 | 8207 |
| Amount of Spread Calcium Chloride       | 45770 | 45771 | 45772 | 45773 | 45774 | 45775 | 7208 | 8208 |
| Amount of Spread Sodium Chloride        | 45780 | 45781 | 45782 | 45783 | 45784 | 45785 | 7209 | 8209 |
| Amount of Spread Magnesium Chloride     | 45790 | 45791 | 45792 | 45793 | 45794 | 45795 | 7210 | 8210 |
| Amount of Spread Gravel                 | 45800 | 45801 | 45802 | 45803 | 45804 | 45805 | 7211 | 8211 |
| Amount of Spread Sand                   | 45810 | 45811 | 45812 | 45813 | 45814 | 45815 | 7212 | 8212 |
| Width Pouring Left                      | 45820 | 45821 | 45822 | 45823 | 45824 | 45825 | 7213 | 8213 |
| Width Pouring Right                     | 45830 | 45831 | 45832 | 45833 | 45834 | 45835 | 7214 | 8214 |
| Salt Spreader Working Hours             | 45840 | 45841 | 45842 | 45843 | 45844 | 45845 | 7215 | 8215 |
| Distance During Salting                 | 45850 | 45851 | 45852 | 45853 | 45854 | 45855 | 7216 | 8216 |
| Load Weight                             | 45860 | 45861 | 45862 | 45863 | 45864 | 45865 | 7217 | 8217 |

|                             |       |       |       |       |       |       |      |      |
|-----------------------------|-------|-------|-------|-------|-------|-------|------|------|
| Retarder Load               | 45870 | 45871 | 45872 | 45873 | 45874 | 45875 | 7218 | 8218 |
| Cruise Time                 | 45880 | 45881 | 45882 | 45883 | 45884 | 45885 | 7219 | 8219 |
| CNG Status                  | 45890 | 45891 | 45892 | 45893 | 45894 | 45895 | 7236 | 8236 |
| CNG Used                    | 45900 | 45901 | 45902 | 45903 | 45904 | 45905 | 7237 | 8237 |
| CNG Level                   | 45910 | 45911 | 45912 | 45913 | 45914 | 45915 | 7238 | 8238 |
| Oil Level                   | 45920 | 45921 | 45922 | 45923 | 45924 | 45925 | 7239 | 8239 |
| Security state flags P4     | 46030 | 46031 | 46032 | 46033 | 46034 | -     | 7443 | 8443 |
| Control state flags P4      | 46040 | 46041 | 46042 | 46043 | 46044 | -     | 7444 | 8444 |
| Indicator state flags P4    | 46050 | 46051 | 46052 | 46053 | 46054 | -     | 7445 | 8445 |
| Agricultural state flags P4 | 46060 | 46061 | 46062 | 46063 | 46064 | -     | 7446 | 8446 |
| Utility state flags P4      | 46070 | 46071 | 46072 | 46073 | 46074 | -     | 7447 | 8447 |
| LNG Used                    | 46090 | 46091 | 46092 | 46093 | 46094 | -     | 7574 | 8574 |
| LNG Used (counted)          | 46100 | 46101 | 46102 | 46103 | 46104 | -     | 7575 | 8575 |
| LNG Level (%)               | 46110 | 46111 | 46112 | 46113 | 46114 | -     | 7576 | 8576 |
| LNG Level (Kg)              | 46120 | 46121 | 46122 | 46123 | 46124 | -     | 7577 | 8577 |

## RS232/RS485

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                 | Parameter name     |
|--------------|----------------|---------------|-------------|-----|---------------------------------------|--------------------|
|              |                |               | Min         | Max |                                       |                    |
| 150          | Uint8          | 0             | 0           | 2   | 0 - Disable<br>1 - RS232<br>2 - RS485 | External UART mode |

| Parameter ID | Parameter Type | Default value            | Value range |     | Value                                                                                                             | Parameter name                                                                                                                                                                                                                                                                                              |
|--------------|----------------|--------------------------|-------------|-----|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              |                |                          | Min         | Max |                                                                                                                   |                                                                                                                                                                                                                                                                                                             |
| 151          | Uint8          | 0                        | 0           | 15  | Mode                                                                                                              | 0 - Log Mode<br>1 - NMEA<br>2 - LLS<br>3 - LCD<br>4 - RFID HID<br>5 - RFID MF7<br>6 - Garmin FMI<br>7 - TCP ASCII<br>8 - TCP Binary<br>9 - TCP ASCII Buffered<br>10 - TCP Binary Buffered<br>11 - REC to LCD<br>12 - ATOL tachograph<br>13 - UL202-2 Fuel Sensor<br>14 - Magnetic card reader (Only FMU126) |
| 152          | Uint8          | Depends on selected Mode | 0           | 8   | 0 - Default<br>1 - 1200<br>2 - 2400<br>3 - 9600<br>4 - 14400<br>5 - 19200<br>6 - 38400<br>7 - 57600<br>8 - 115200 | Baudrate                                                                                                                                                                                                                                                                                                    |
| 153          | Uint8          | Depends on selected Mode | 0           | 3   | 0 - Default<br>1 - None<br>2 - Odd<br>3 - Even                                                                    | Parity                                                                                                                                                                                                                                                                                                      |

| Parameter ID | Parameter Type | Default value | Value range |     | Value | Parameter name |
|--------------|----------------|---------------|-------------|-----|-------|----------------|
|              |                |               | Min         | Max |       |                |

|            |       |   |   |     |        |          |
|------------|-------|---|---|-----|--------|----------|
| <b>154</b> | UInt8 | 0 | 0 | 255 | Number | Prefix 1 |
| <b>155</b> | UInt8 | 0 | 0 | 255 | Number | Prefix 2 |
| <b>156</b> | UInt8 | 0 | 0 | 255 | Number | Prefix 3 |

| Parameter ID | Parameter Type | Default value | Value range |     | Value                                                                                  | Parameter name  |
|--------------|----------------|---------------|-------------|-----|----------------------------------------------------------------------------------------|-----------------|
|              |                |               | Min         | Max |                                                                                        |                 |
| <b>157</b>   | UInt8          | 0             | 0           | 3   | 0 - No filter<br>1 - Ping filter<br>2 - Unicode filter<br>3 - Ping and Unicode filters | Garmin Features |

| Parameter ID | Parameter Type | Default value            | Value range |     | Value                                                                                                             | Parameter name |
|--------------|----------------|--------------------------|-------------|-----|-------------------------------------------------------------------------------------------------------------------|----------------|
|              |                |                          | Min         | Max |                                                                                                                   |                |
| <b>160</b>   | UInt8          | 3                        | 0           | 4   | 0 - Log Mode<br>1 - NMEA<br>2 - LLS<br>3 - TCP ASCII<br>4 - TCP Binary                                            | Mode           |
| <b>161</b>   | UInt8          | Depends on selected Mode | 0           | 8   | 0 - Default<br>1 - 1200<br>2 - 2400<br>3 - 9600<br>4 - 14400<br>5 - 19200<br>6 - 38400<br>7 - 57600<br>8 - 115200 | Baudrate       |

| Parameter ID | Parameter Type | Default value | Value range |     | Value  | Parameter name |
|--------------|----------------|---------------|-------------|-----|--------|----------------|
|              |                |               | Min         | Max |        |                |
| <b>162</b>   | UInt8          | 0             | 0           | 254 | Number | LLS 1 Address  |
| <b>163</b>   | UInt8          | 0             | 0           | 254 | Number | LLS 2 Address  |
| <b>164</b>   | UInt8          | 0             | 0           | 254 | Number | LLS 3 Address  |
| <b>165</b>   | UInt8          | 0             | 0           | 254 | Number | LLS 4 Address  |
| <b>166</b>   | UInt8          | 0             | 0           | 254 | Number | LLS 5 Address  |

Default baudrate and parity by mode table:

| Mode                        | RS232 default Baudrate | RS485 default Baudrate | Default Parity (RS232 only) |
|-----------------------------|------------------------|------------------------|-----------------------------|
| <b>Log Mode</b>             | 115200                 | 115200                 | None                        |
| <b>NMEA</b>                 | 115200                 | 115200                 | None                        |
| <b>LLS</b>                  | 19200                  | 19200                  | None                        |
| <b>LCD</b>                  | 57600                  | -                      | None                        |
| <b>RFID HID</b>             | 57600                  | -                      | None                        |
| <b>RFID MF7</b>             | 9600                   | -                      | None                        |
| <b>Garmin FMI</b>           | 9600                   | -                      | None                        |
| <b>TCP ASCII</b>            | 115200                 | 57600                  | None                        |
| <b>TCP Binary</b>           | 115200                 | 57600                  | None                        |
| <b>Magnetic Card Reader</b> | 9600                   | -                      | None                        |