

# Template:FM36 I/O parameters Parameters

I/O properties are additional data sources which are recorded along with usual GPS data.

Parameter ID	Parameter Type	Default value	Value range		Value	Parameter name
			Min	Max		
2000	S8	1	0	3	0 - Disabled 1 - Low 2 - High 3 - Panic	I/O#1 Priority
2003	S32	0	-2147483647	2147483647		I/O#1 High level
2002	S32	0	-2147483647	2147483647		I/O#1 Low level
2001	S8	3	0	5	0 - On Exit 1 - On Entrance 2 - On Both 3 - Monitoring 4 - Hysteresis 5 - On Change	I/O#1 Event Generation Type
2004	S32	10	0	2592000		I/O#1 Averaging Constant

Other I/O property elements can be configured in same logic. All I/O element parameters are listed in the next table.

I/O Element Number	I/O element parameters
<b>Digital Input 1</b>	2000-2004
<b>Digital Input 2</b>	2010-2014
<b>Digital Input 3</b>	2020-2024
<b>Digital Input 4</b>	2030-2034
<b>Analog Input 1</b>	2040-2044
<b>Analog Input 2</b>	2050-2054
<b>GNS Sense</b>	2060-2064
<b>Digital Output 1</b>	2070-2074
<b>Digital Output 2</b>	2080-2084
<b>Digital Output 3</b>	2090-2094
<b>Digital Output 4</b>	2100-2104
<b>GNSS PDOP</b>	2110-2114
<b>GNSS HDOP</b>	2120-2124
<b>External Voltage</b>	2130-2134
<b>GNSS Power</b>	2140-2144
<b>Movement Sensor</b>	2150-2154
<b>Odometer Value</b>	2160-2164
<b>GSM Operator</b>	2170-2174
<b>Speed</b>	2180-2184
<b>iButton ID</b>	2190-2194
<b>Data Mode</b>	2200-2204

<b>GSM Signal</b>	2210-2214
<b>Deep Sleep</b>	2220-2224
<b>Cell ID</b>	2230-2234
<b>Area Code</b>	2240-2244
<b>Dallas</b>	2250-2254
<b>Temperature 1</b>	
<b>Dallas</b>	2260-2264
<b>Temperature 2</b>	
<b>Dallas</b>	2270-2274
<b>Temperature 3</b>	
<b>ICCID</b>	2280-2284
<b>IMSI</b>	2290-2294
<b>Ignition On Counter</b>	2300-2304

<b>CAN Element Number</b>	<b>CAN element parameters</b>
<b>LVC Vehicle Speed</b>	2580-2584
<b>LVC Accelerator Pedal Position</b>	2590-2594
<b>LVC Fuel Consumed</b>	2600-2604
<b>LVC Fuel Level (liters)</b>	2610-2614
<b>LVC Engine RPM</b>	2620-2624
<b>LVC Total Mileage</b>	2630-2634
<b>LVC Fuel Level (percent)</b>	2640-2644
<b>LVC Program Number</b>	2650-2654
<b>LVC ModuleID</b>	2660-2664
<b>LVC Engine Work Time</b>	2670-2674
<b>LVC Engine Work Time (counted)</b>	2680-2684
<b>LVC Total Mileage (counted)</b>	2690-2694
<b>LVC Fuel Consumed (counted)</b>	2700-2704
<b>LVC Fuel Rate</b>	2710-2714
<b>LVC AdBlue Level (percent)</b>	2720-2724
<b>LVC AdBlue Level (liters)</b>	2730-2734
<b>LVC Engine Load</b>	2740-2744
<b>LVC Engine Temperature</b>	2750-2754
<b>LVC Axle 1 Load</b>	2760-2764

<b>LVC Axle 2 Load</b>	2770-2774
<b>LVC Axle 3 Load</b>	2780-2784
<b>LVC Axle 4 Load</b>	2790-2794
<b>LVC Axle 5 Load</b>	2800-2804
<b>LVC Control State Flags</b>	2810-2814
<b>LVC Agricultural Machinery Flags</b>	2820-2824
<b>LVC Harvesting Time</b>	2830-2834
<b>LVC Area of Harvest</b>	2840-2844
<b>LVC Mowing Efficiency</b>	2850-2854
<b>LVC Grain Mown Volume</b>	2860-2864
<b>LVC Grain Moisture</b>	2870-2874
<b>LVC Harvesting Drum RPM</b>	2880-2884
<b>LVC Gap Under Harvesting Drum</b>	2890-2894
<b>LVC Security State Flags</b>	2900-2904
<b>LVC Tacho Total Vehicle Distance</b>	2910-2914
<b>LVC Trip Distance</b>	2920-2924
<b>LVC Tacho Vehicle Speed</b>	2930-2934
<b>LVC Tacho Driver Card Presence</b>	2940-2944
<b>LVC Driver1 States</b>	2950-2954
<b>LVC Driver2 States</b>	2960-2964
<b>LVC Driver1 Continuous Driving Time</b>	2970-2974
<b>LVC Driver2 Continuous Driving Time</b>	2980-2984
<b>LVC Driver1 Cumulative Break Time</b>	2990-2994
<b>LVC Driver2 Cumulative Break Time</b>	3000-3004
<b>LVC Driver1 Duration Of Selected Activity</b>	3010-3014

<b>LVC Driver2 Duration Of Selected Activity</b>	3020-3024
<b>LVC Driver1 Cumulative Driving Time</b>	3030-3034
<b>LVC Driver2 Cumulative Driving Time</b>	3040-3044
<b>LVC Driver1 ID High</b>	3050-3054
<b>LVC Driver1 ID Low</b>	3060-3064
<b>LVC Driver2 ID High</b>	3070-3074
<b>LVC Driver2 ID Low</b>	3080-3084
<b>LVC Battery Temperature</b>	3090-3094
<b>LVC Battery Level (percent)</b>	3100-3104
<b>LVC Door Status</b>	3110-3114
<b>LVC DTC Errors</b>	3120-3124
<b>LVC Slope of Arm</b>	3130-3134
<b>LVC Rotation of Arm</b>	3140-3144
<b>LVC Eject of Arm</b>	3150-3154
<b>LVC Horizontal Dist Arm Vechicle</b>	3160-3164
<b>LVC Height Arm Above Ground</b>	3170-3174
<b>LVC Drill RPM</b>	3180-3184
<b>LVC Amount of Spread Salt Square Meter</b>	3190-3194
<b>LVC Battery Voltage</b>	3200-3204
<b>LVC Amount Spread Fine Grained Salt</b>	3210-3214
<b>LVC Amount Spread Coarse Grained Salt</b>	3220-3224
<b>LVC Amount Spread DiMix</b>	3230-3234
<b>LVC Amount Spread Coarse Grained Calcium</b>	3240-3244

<b>LVC Amount Spread Calcium Chloride</b>	3250-3254
<b>LVC Amount Spread Sodium Chloride</b>	3260-3264
<b>LVC Amount Spread Magnesium Chloride</b>	3270-3274
<b>LVC Amount Spread Gravel</b>	3280-3284
<b>LVC Amount Spread Sand</b>	3290-3294
<b>LVC Width Pouring Left</b>	3300-3304
<b>LVC Width Pouring Right</b>	3310-3314
<b>LVC Salt Spreader Work Hours</b>	3320-3324
<b>LVC Distance During Salting</b>	3330-3334
<b>LVC Load Weight</b>	3340-3344
<b>LVC Retarder Load</b>	3350-3354
<b>LVC Time On Cruise Control</b>	3360-3364
<b>LVC CNG Status</b>	3370-3374
<b>LVC CNG Used</b>	3380-3384
<b>LVC CNG Level</b>	3390-3394
<b>LVC Oil Level</b>	3400-3404
<b>LVC Vehicles Range On Additional Fuel</b>	3410-3414
<b>LVC Vehicles Range On Battery</b>	3420-3424
<b>LVC DTC Index</b>	3430-3434
<b>LVC DTC Code</b>	3440-3444