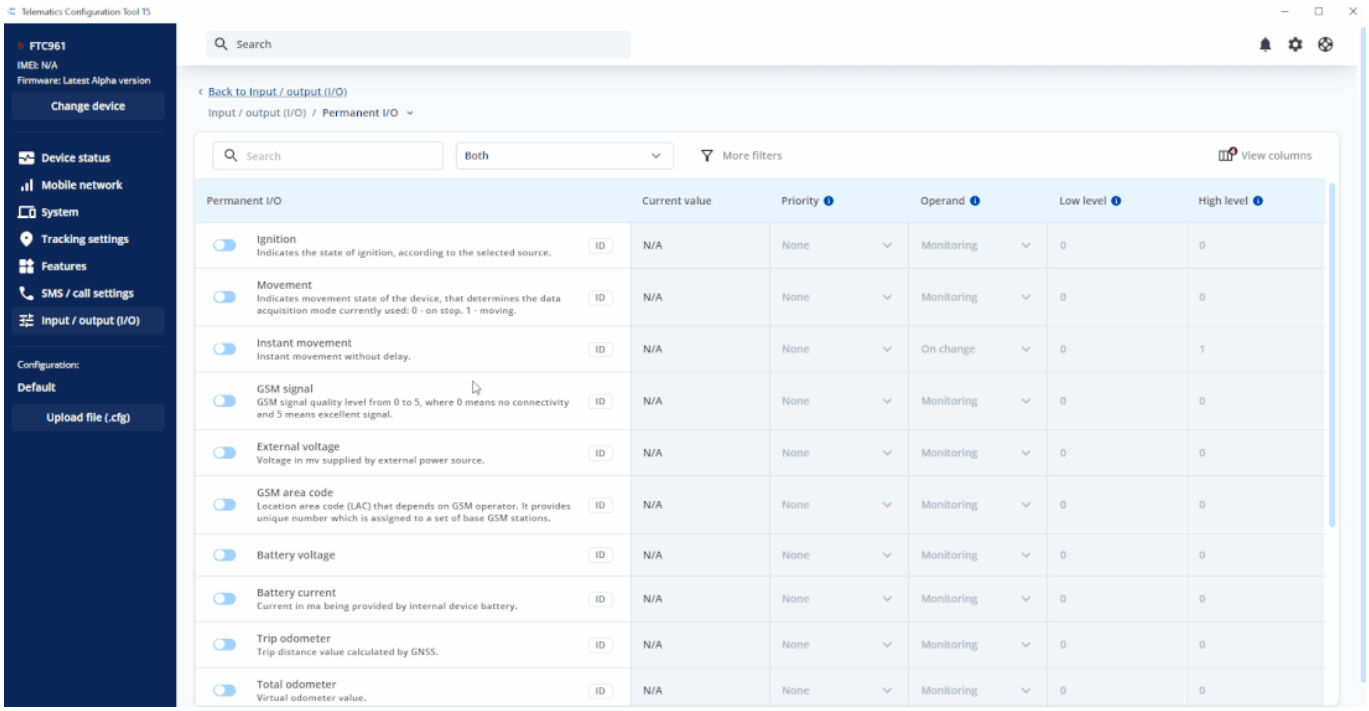
FTC921 Input/output (I/O)

Contents

When no I/O element is enabled, AVL packet comes with GNSS information only. After enabling I/O element(s) AVL packet contains current value(s) of enabled I/O element(s) along with GNSS information.



Search

Enter the keyword to search for the desired permanent I/O.

More Filters

It provides additional filter options such as Priority, Operand, and rows with currently available values.

View Columns

Filters the necessary tabs when making configuration changes or viewing. Priority, Operand, Low Level, High Level, and Event Only Options are available filters. The Input name and Current Values are permanent columns.

Permanent I/O

I/O element name.

Current Value

If the device is connected to the **Configurator**, then all the current I/O values can be seen here.

Units

Units of measurement.

Priority

This field allows the enabling of the I/O elements and sets them a priority so they are added to the data packet, which is sent to the server. By default **7 I/O elements** with **Low priority** are enabled:

`Ignition, Movement, GSM Signal, External Voltage, Battery Voltage, Battery Current, Total Odometer`. All records made by FTC921 are regular, and regular packets are sent as low priority records.

Priority level (AVL packet priority) can be:

None Priority

The module doesn't make additional records.

Low Priority

The module makes an additional record with an indication that the **event was caused by an I/O element change** (depending on Operands configuration).

High Priority

The module makes an additional record with High priority flag and **sends event packet immediately** to the server using **GPRS**.

High and Low Level

These levels define I/O value range. If I/O value **enters or exits** this range, FTC921 **generates an event**.

Event Only

When this is selected, I/O element status value will be **appended only to eventual records**, otherwise I/O element status value will appear in each AVL record.

Operands

Defines when to generate event: On Exit, On Entrance, On Both, Monitoring, On Hysteresis, On Change or On Delta Change.

Operand On Exit

Record is generated when input value leaves a range between low and high level limits.

Operand On Entrance

Record is generated when input value enters a range between low and high level limits.

Operand On Both

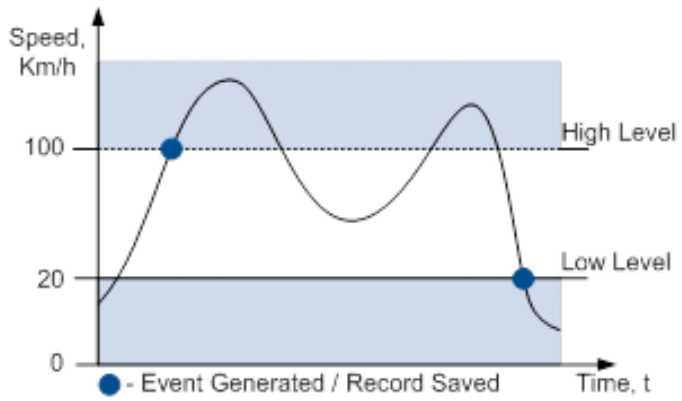
Record is generated by both *On Exit* and *On Entrance* operands' logic at same time.

Operand Monitoring

No event at all. Values are recorded only when other triggers worked.

Operand On Hysteresis

Record is generated when input value crosses the high limit value from below the low limit value or vice versa.



Operand On Change

Record is generated when input value changes.

Operand On Delta Change

Record is generated when input value changes and the absolute change becomes equal to or higher than the limit value.