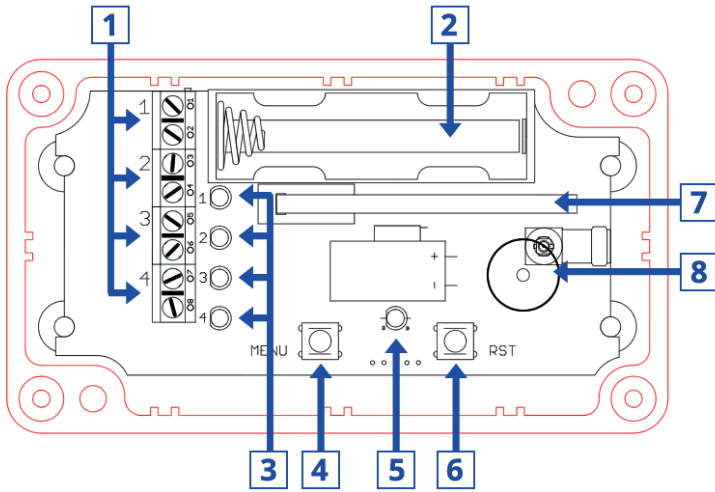## HW Description

1 4x terminal board of impulse inputs
2 battery holder
3 4x Input LED
4 Button MENU
5 Status LED
6 Button HW reset
7 cover opening sensor
8 antenna / connector for connecting an external antenna

Button MENU

The MENU button serves as the main control. Depending on the length of the button press, a specific event is gene-rated. The status LED indicates the type of event that will be generated when the button is released. This is summarized in the following table:

| Event type	Abbre-viation	Approx. stroke length	Staus LED
Short push	SPRS	< 1 sec	Blinking red
Long push type 1	LPSR1	1 - 2 sec	Shines red
Long push type 2	LPSR2	2 - 4 sec	Shines yellow
Long push type 3	LPSR3	> 4 sec	Shines green

Button HW reset

The RST button is used for hard reset. If the module is not in „Battery Replacement" mode, the real time setting will be lost. The time can then be set using the service application.

Module installation

Module installation is the operation that each module has to go through. This operation may also be repeated if the module is placed in a different location or a new measuring device is replaced or added to it.

Status diagram
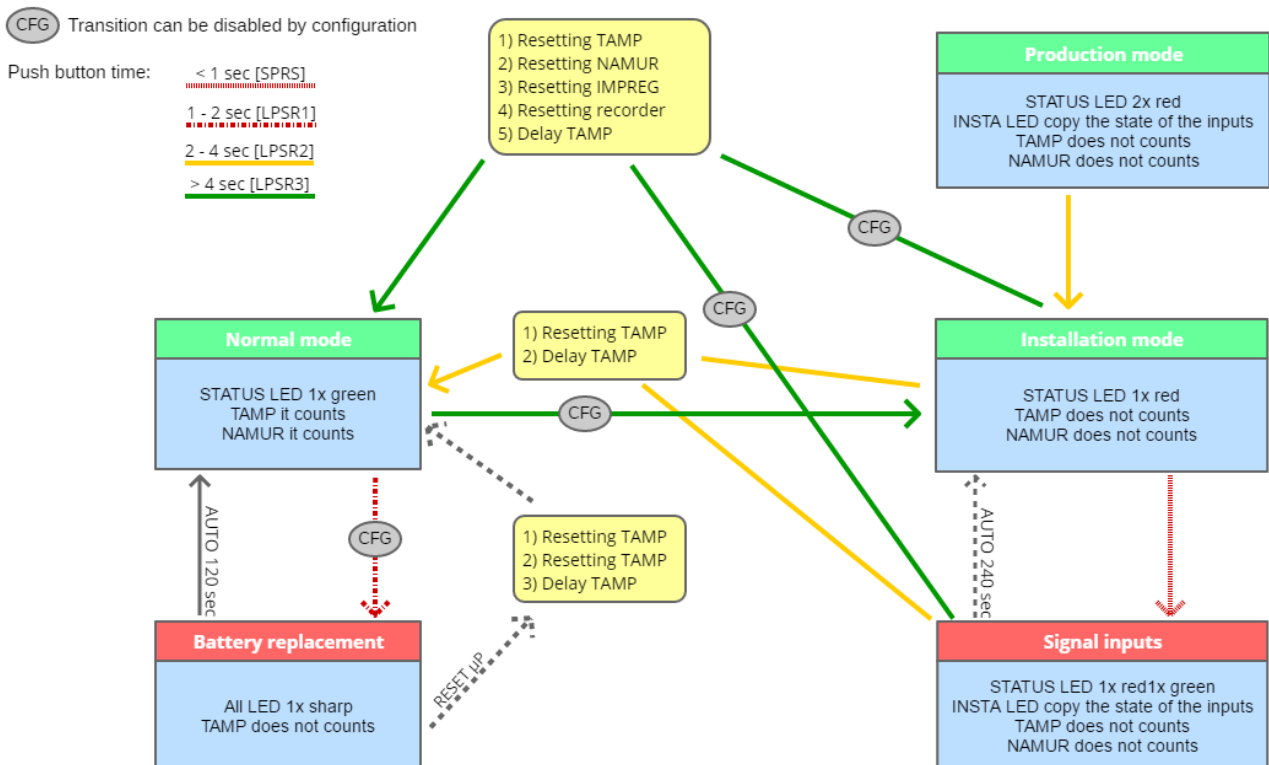
Before installing, remove the top cover of the module to get to the terminal board and the MENU control button. The installation should always take place when the module is in the installation mode. In the installation mode, the module is shipped from the manufacturer. We recognize the module mode by flashing the two-color status LED. If the module is in normal mode, it is necessary to switch it to the installation mode by long press of type 3 MENU button.

👆 To installation mode: MENU - LPSR3 [> 4 sec]

Press and hold the button until the status LED lights up green. Now release the button and the module goes from normal mode to installation. In the installation mode, the status LED once blinks red every 10 seconds.

Now we connect the wires from the device and we can test the function of the module inputs. This can be done by going to the signaling state of inputs by pressing the button briefly. In the signaling mode, the status LED blinks 1x red and 1 green every second. The input LEDs now copy the status of the inputs as shown by the module's microprocessor, the input is connected to the closed switch, then the LED is on.

👆 Signal input mode: MENU - SPRS [< 1 sec]

If the connected devices work properly, we can switch the module to normal mode. Now we have a choice of two cases: either we want to reset pulse registers, including a recorder, or we do not want to reset them. Depending on this, we will use either a long press of type 3 (zeroing) or a long press of type 2 (zeroing will take place). In both transitions, the tampering registry is reset and the countdown starts, and in normal mode, with the cover open, the registry does not read. This allows us to fit and screw the module cover.

👆 With zeroing: MENU - LPSR3 [> 4 sec]

or

👆 Without zeroing: MENU - LPSR2 [2 - 4 sec]

Finally, verify that the module is really in normal mode according to the status LED, when it blinks 1x green every 10 seconds.

When the signaling mode of the input does not end with some of the transitions into normal mode, it will automatically return to the installation mode.

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Disposal

The device includes a replaceable lithium battery, the battery life is standard for up to 12 years. After the device has ended, the device must be disposed of by handing it over to the appropriate waste disposal facility.

Repairs

Repairs to the device are only allowed by the manufacturer, which is VIPA CZ s.r.o., repairs performed by another organization or person will be considered as unprofessional interference, and this equipment is not covered by the product warranty.

Warranty

A 2-year warranty is provided on the device. The warranty may be further extended on the basis of a contractual relationship. The warranty does not cover defects caused by:

    mechanical damage
    improper malnipulation

More information

Our website contains a great deal of useful information: product information, user guides, configuration software, and technical documents that can be accessed 24 hours a day.

🌐 www.vipa.cz

Template for drilling mounting holes