

Warning Beacon with Sounder

Teta SOLERT

Product code: PW-132-T



Reliability



Integrity



Cost efficiency

Information about the product

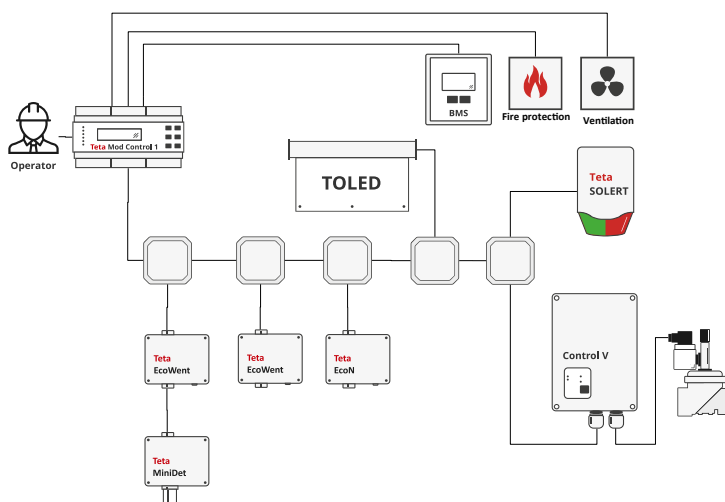
The **Teta SOLERT** Warning Beacon with Sounder is a device designed to indicate alarms and capable of collaborating with Teta MOD Control 1 Control Unit manufactured by Atest Gaz. **Teta SOLERT** has the GASOK functionality that allows for immediate assessment of the system efficiency and the level of security in the protected area. This functionality is implemented by using signalling based on two colours:

- green- informing about the correct operation of the system,
- red color indicates alarm 3 (leak)
- alternating blinking green and red means that the alarm threshold 1 and 2 on the gas detector has been exceeded,
- the absence of any color means that there is a failure in the system or no communication with the control unit (e.g. a broken cable).

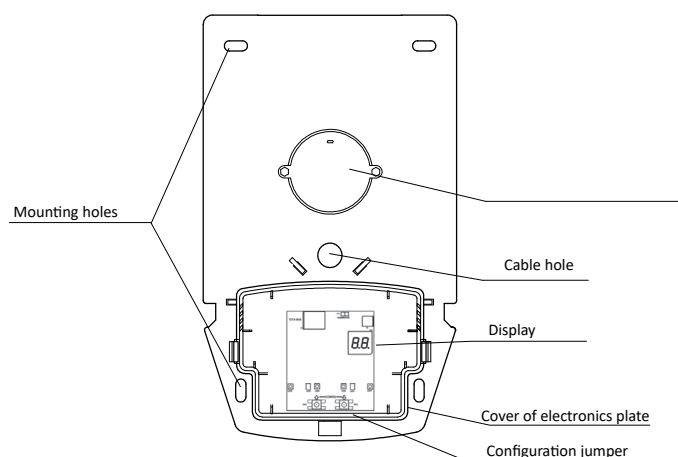
Additionally, the alarm offers two volume levels of the acoustic module (tone 1 for exceeding the alarm threshold 1 and 2, tone 2 for alarm 3).

The **Teta SOLERT** warning beacon distinguishes with the capability of easy integration with other components of the Teta Gas system owing to application of a single, two-core power supply and data transmission lines Teta Bus. It enables transmission of diagnostic information about current status of the device to a control unit as well as monitoring of the beacon operation with simplicity of installation and cost efficiency comparable to conventional solutions. The unit is insensitive to harsh ambient conditions, which allows installation of it both indoors and outdoors.

Location and role of the device in Gas Safety System



Description of the construction and interface



| Name | Pin | Description |
|----------|-----|----------------------------|
| TETA BUS | | Teta Bus port |
| | | Power supply / signal line |

Mounting

The device should be installed in a location that is hard accessible to third persons, on a flat surface with the mounting position as shown on the neighboring picture. The distance between the mounting plated for the device and the ceiling (roof) must be not less than 5 cm.

Description of operation and connection

When the beacon is in the standby mode, its display alternately presents the device address (Ad), status of the sounder (AC), faults (FA) and information about failure of the connection between the beacon and a central controller (nC – if occurs).

| FA | Fault description |
|-----------|--------------------------------------|
| -- | Regular operation of the beacon |
| 01 | Defective sounder |
| 02 | Defective beacon lamp - red colour |
| 20 | Defective beacon lamp - green colour |
| 04 | Incorrect power supply voltage |
| Pozostałe | Internal defect of the beacon |

Beacon configuration

Upon simultaneous depressing of configuration buttons and holding them depressed for the time about 1 second the device enters the configuration mode (Ad and AC messages are alternately shown on the display).

The default address of the device is 61.

To set up the desired address of the device, release the buttons when 'Ad' message is displayed. Then the address can be set by means of control buttons.

Releasing of buttons while the 'AC' characters are shown enables switching the sound warning device (siren) on or off, where 00 means that the sounder is active and 01 stands for the sounder deactivated. The default setting is 01.

Depressing of the both buttons at the same time approves the settings (the settings shall blink on the display for about 2 seconds) and the configuration mode is quit.

When new settings are not approved within 15 seconds, the configuration mode is abandoned and the beacon returns to the regular operation. No changes are stored into the device memory.

Technical specification

| | |
|---|----------------------|
| Power supply <ul style="list-style-type: none"> Voltage V_{CC} Power P_{CC} | 15 – 50 = V 2.2 W |
| Environment <ul style="list-style-type: none"> Ambient temperatures | -30 – +60 °C |
| IP | IP44 |
| Integrated signalling equipment (visual) | LED diodes |

| | |
|---|---------------------------|
| Integrated signalling equipment (audible) | About 105 dB 1 m distance |
| Dimension | 310 x 183 x 75 mm |
| Weight | 0.75 kg |
| Acceptable cables | 1 – 2 mm ² |
| Enclosure material | Polycarbonate, ABS |

Product marking

| Product code | Device |
|--------------|---|
| PW-132-T | Teta SOLERT Warning Beacon with Sounder |

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