SQUEALER-2 manual

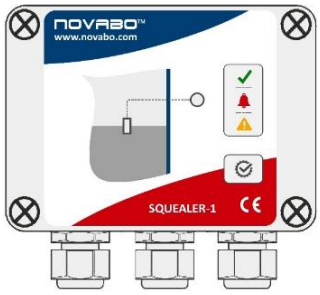
- 2 inputs
- 1 output
- 230V power supply
- controller IP65
- probes IP68, EX
- stainless steel
- polyacetal
- ABS

The alarm module, powered by 230V, is designed for controlling the levels of sludge, oil, grease, petroleum substances, tank overfill conditions, and fire tank water levels.

Warning. To avoid problems in operating the unit, it is recommended to read this manual thoroughly before using it. Do not interfere with construction or carry out repairs yourself. Maintenance or repair work should be carried out by qualified personnel (installer or company service). The manufacturer assumes no responsibility for any damage resulting from improper assembly, malfunction (device, software) or damage to the controller. For installations in the explosive zone, the controller requires the EX-SQR extension for each probe.

Control and reviews. The manufacturer recommends inspecting the entire system every 6 months, or when emptying the separator. For this purpose, download, print and complete the document **PeriodicReviewCard.pdf**:
www.novabo.com >>> products >>> downloads >>>> **PeriodicReviewCard.pdf**

System description. The SQUEALER controller is a modern, microprocessor-based device used for continuous monitoring of the status of one of the selected probes (MAX, OILER, SLUDO). The basic parameters of the controller are *2 input, 1 relay output, LEDs indicating normal state, failure state and alarm state, BUZER generating a sound signal informing about alarm, relay output, activated at the moment of alarm.*



Front panel description.

-probe is OK -probe ALARM - probe TROUBLE

- Short press - cancel acoustic alarm.

- Long press in normal state (without alarm) - test of LED, BUZZER and RELAY.

Technical data

- Power supply: 230VAC 50 / 60Hz
- Max. fuse: 1.25 A
- Power consumption (nominal): 2.2 VA
- Output: potential-free relay; NO/NC, 5A/250VAC; 5A/28VDC
- Ambient temperature: -40 to + 60 ° C
- Mechanical strength: IK 07
- Housing dimensions (without glands) (H x W x D): 96x130x66 mm
Cable glands*: 4x M12, cable dimensions Ø 4.0-6.0 mm*

Cooperating devices

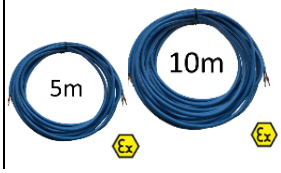
MAX - detection of maximum liquid level, separator overflow, fire tank level.

OILER - thickness measurement of oil, petroleum substances, fire tank level.

SLUDO - detection of the sludge layer in the separator.

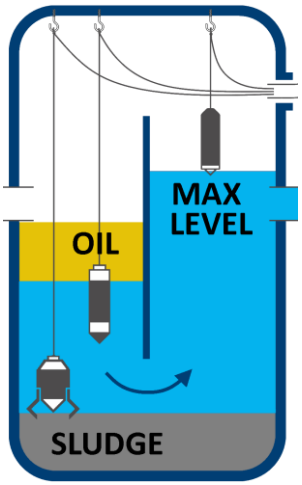
COUPLER-01 – hermetic connection socket

NFIX-01 – set for mounting the probe



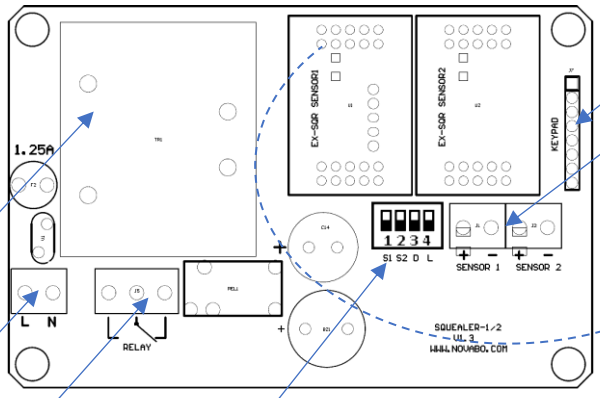
CABLE-5, CABLE-10 – 5 and 10 meter probe extensions

Mounting the probes MAX, OILER, SLUDO



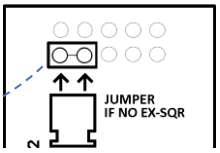
1. Lower the sensor to the height of the measured liquid level as specified in the tank manual.
2. Attach the sensor cable to the mounting ear and connect to the SQUEALER controller.
3. For greater distances, use the NCOUPLER coupler and the CABLE-5,10 extension cord.

Panel description



Keypad

Probe connection MAX, OILER, SLUDO

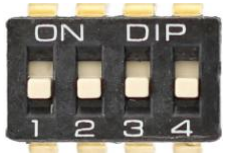


Transformer

Supply 230V AC

Relay output

DIP switches



DIP SWITCH configuration

DIP1	"ON" - input SENSOR 1 active - probe 1 connected "OFF" - input SENSOR 1 inactive - probe 1 not connected
DIP2	"ON" - input SENSOR 2 active - probe 2 connected "OFF" - input SENSOR 2 inactive - probe 2 not connected
DIP3	"ON" - alarm delay time from probe 30 s (recommended setting) "OFF" - alarm delay time from probe 5 s
DIP4	"ON" - inverse input logic SENSOR 1 (SLUDO probe, OILER as MAX) "OFF" - normal input logic SENSOR 1

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