



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

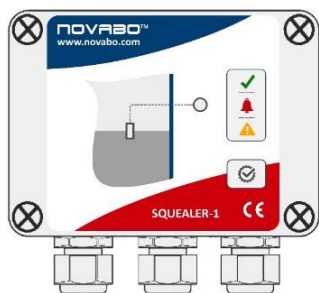
The alarm module powered from 230V is used to measure and control the level of sludge, oil substances, grease, petroleum substances and overfilling the tank.

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.



OILER - thickness measurement of fat, oil, organic liquids, petroleum substances.



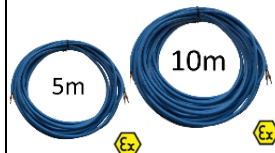
SLUDO - detection of the sludge layer in the separator.



COUPLER-01 – hermetic connection socket



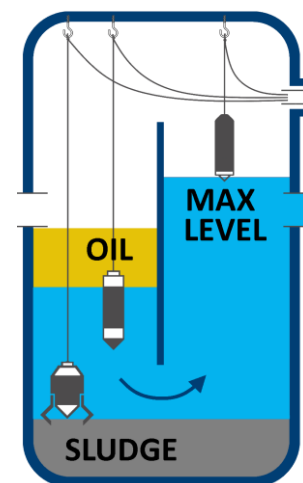
NFIK-01 – set for mounting the probe



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

Transformer

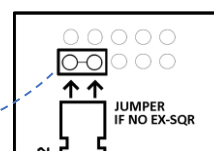
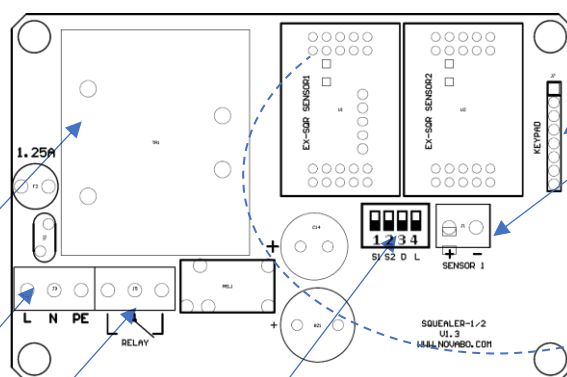
Supply 230V AC

Relay output

DIP switches

Keypad

Probe connection
MAX, OILER, SLUDO



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 |

