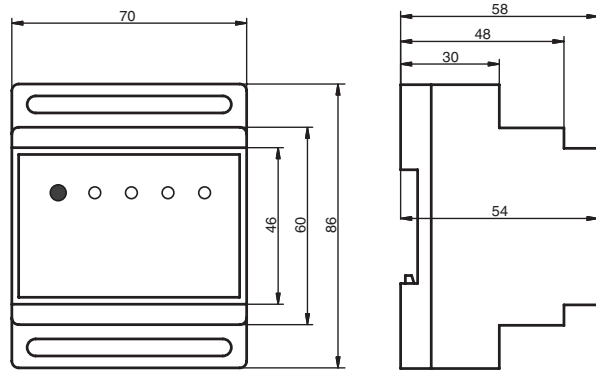


Warning device



Dimensions



LAL-SRW-PF-01



Features

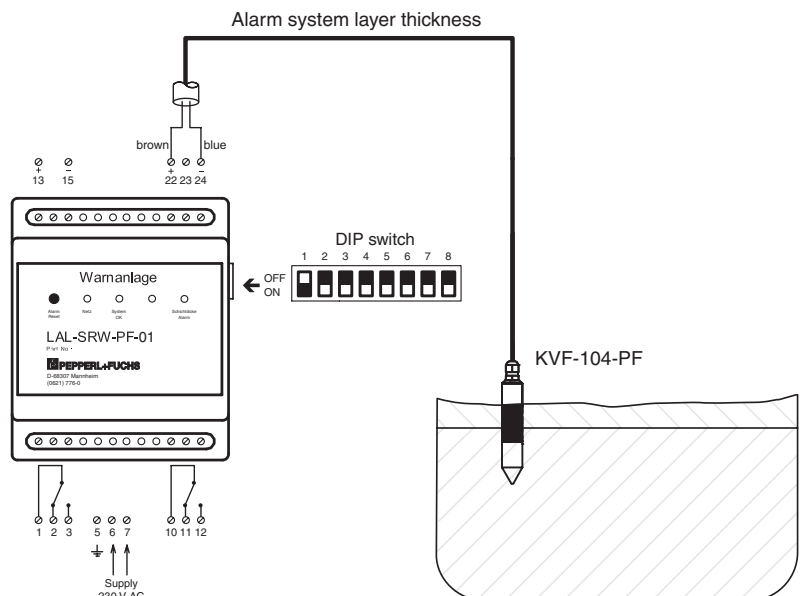
- Power supply 230 V AC
- layer thickness detection in oil/petrol separators
- Two independent, potential-free changeover contacts
- Visual and acoustic alarm
- Connection to central monitoring system
- Easy installation on DIN rail

Function

The alarm system is used for monitoring of oil/petrol separators. Over a sensor in the separators the alarm system can detect the max. layer thickness, i. e. when a given percentage of the max. accumulation capacity for oil or petrol has been reached.

The alarm system has a built-in acoustic alarm and LEDs which show the actual operation mode. Furthermore there are two independent, potential-free switches for the connection of central monitoring system, telephone modem or external remote alarm.

Electrical connection



Supply	
Connection	terminals 5, 6, 7
Rated voltage	207 ... 253 V AC , 50/60 Hz
Power consumption	4.5 VA , without load
Indicators/operating means	
Display elements	LED Power (power supply), one yellow LED LED System OK (indication operating status), one green LED LED Schichtdicke Alarm (layer thickness), one red LED
Operating elements	reset button: reset of the acoustic alarm
Input	
Connection	Layer thickness sensor terminals 22+, 24-
Output	
Connection	output 1: terminals 1, 2, 3; output 2: terminals 10, 11, 12
Output	potential free changeover contact
Contact loading	250 V AC/4 A/100 VA
Electrical isolation	
Output/power supply	reinforced insulation acc. to EN 50178, rated insulation voltage 300 V _{eff}
Output/output	reinforced insulation acc. to EN 50178, rated insulation voltage 300 V _{eff}
Directive conformity	
Electromagnetic compatibility	
Directive 89/336/EC	EN 61000-6-2 , EN 61000-6-3
Conformity	
Electrical isolation	EN 50178
Protection degree	IEC 60529
Ambient conditions	
Ambient temperature	-25 ... 60 °C (248 ... 333 K)
Mechanical specifications	
Protection degree	IP20
Mass	325 g
Dimensions	control unit NVO-151*-PF: 70 x 86 x 58 mm (2.8 x 3.4 x 2.3 in) mounting housing NVO5-KV: 110 x 200 x 100 mm (4.3 x 7.9 x 3.9 in)
Mounting	DIN rail, system M36
Data for application in conjunction with hazardous areas	
EC-Type Examination Certificate	DEMKO 04 ATEX 136466 (firm OJ Electronics A/S)
Input	[EEx ia] IIB
Voltage U _o	12.7 V
Current I _o	135 mA
Power P _o	1 mW
External capacitance	0.3 µF
External inductance	0.5 mH
Directive conformity	EN 50014, EN 50020, EN 50284
General information	
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity and instructions have to be observed. For information see www.pepperl-fuchs.com .

Accessories

- Mounting housing with DIN rail NVO5-KV
- Control unit 230 V AC NVO5-151A-PF
- Layer thickness sensor KVF-104-PF for oil layer thickness detection
- Junction box IP67 for 1 sensor NVO5-SK3
- Mounting sez for 1 sensor NVO5-B-PF

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