



LA-1.1, LA-1.4

Electronic Controllers Series LA®

Version LA-1.1, LA-1.4

Special Features

- 2 mounting types
- Cable break monitoring
- 2 potential free change-over contacts
- Configurable alarm reset
- LEDs for displaying operational and fault status
- For max. 100 m sensor cable as standard
- Switching point adjustable

Application

The LA-1.1 and LA-1.4 electronic controllers are used for power supply and signal processing of the liquid alarm sensors LA1S and LA25S.

Description

Two installation types are available: LA-1.1 for wall-mounting and LA-1.4 for rail-mounting.

Cable break monitoring is integrated for reliable operation. There are two LEDs for displaying the operational and fault status as well as two potential-free changeover contacts with "safety-first" circuit for safe alarm signalling. The electronic controllers are equipped with an alarm reset that may be activated or deactivated. Upon delivery, it is not activated.

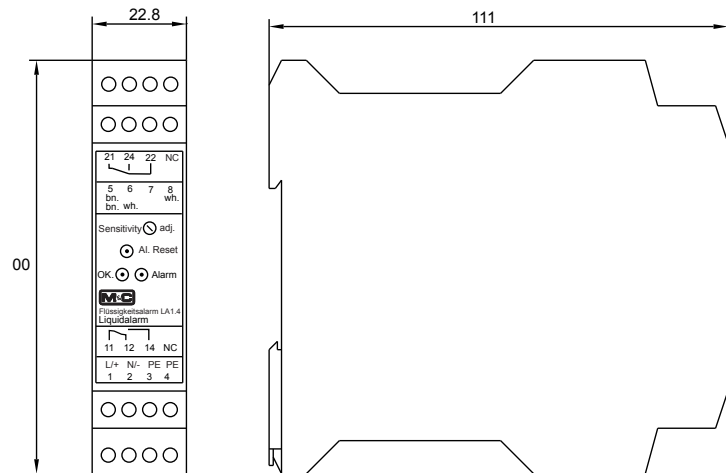
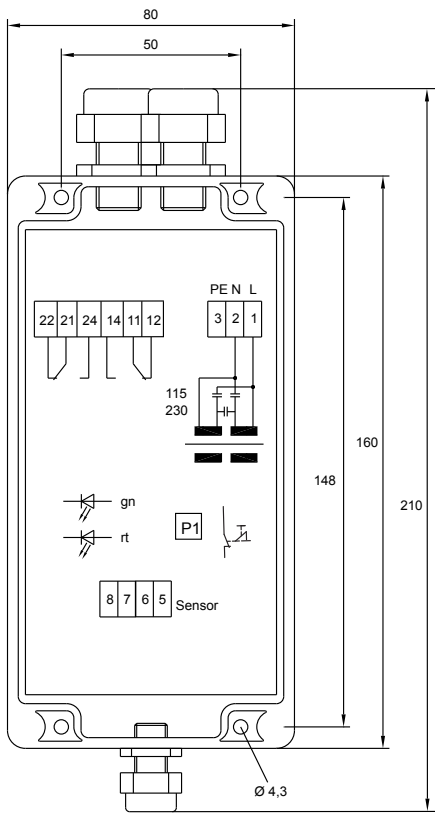
By using one of the contacts, a pump or a solenoid valve of the gas conditioning system can be directly connected and the second contact can be used as a status alarm.

The switching point of the electronic controllers LA-1.1 and LA-1.4 is adjustable via a potentiometer. A standard adjustment is carried out at the factory.

The special electronic controller ER142 Exi (Part No: 03E2009/a) without cable break monitoring is for the intrinsically safe supply of the LA1 and LA25 sensor (old series!) located in a hazardous area.

LA-1.1 in wall-mounting housing

LA-1.4 in rail-mounting housing



Dimensions in mm

Technical Data

Electronic controllers type	LA-1.1	LA-1.4
Part Number		
230 V 50/60 Hz	03E2001*	03E2006
115 V 50/60 Hz	03E2001*	03E2006 a
24 V DC	03E2001 d	03E2006 d
24 V AC	03E2001 b	03E2006 d
Mounting	Wall-mounting housing	Rail-mounting housing EN 50022
Sensor inlets	1	
Power consumption	2 VA	1 VA
Alarm relay (2x MC/NC/NO)	250 V DC/AC	250 V AC/DC
Contact rating	DC = 50 W, AC = 500 VA, 3 A	DC = 45 W, AC = 500 VA, 2 A
Cable inlet	1 x terminals 3 to 6.5 mm 2 x terminals 5 to 10 mm	
Electrical connection	Terminals max. 2,5 mm ²	
Adjustment of switching point	Via potentiometer after opening of housing	Via potentiometer in the housing front
Distance between sensor and electronic LA-1..	Max. 100 m [≈ 328.1 ft]	
Cable break monitoring	Yes	
Alarm reset**	Yes	
Protection type	IP65 EN 60529	IP20 EN 60529
Housing material	Polycarbonate	Polyamide PA 6.6 combustibility class VO (UL94)
Ambient temperature	-25 to +60 °C [-13 to 140 °F]	
Dimensions (W x L x H)	80 x 160 x 55 mm [≈ 3.2" x 6.3" x 2.2"]	22.8 x 100 x 111 mm [≈ 0.9" x 3.9" x 4.4"]
Weight	0,31 kg [≈ 0.7 lb]	0,23 kg [≈ 0.5 lb]

* Reversible distribution voltage 230V 50 Hz /115V 60 Hz, at works adjusted to 230V 50 Hz.

** deactivated at works