



Rauchmelder

Dieser photoelektronischer Rauchmelder ist zum Anschluss an die Sensor Unit des ELM Systems geeignet. Er kann Schwelbrände (heller Rauch) oder Brände mit geringer Sauerstoffzufuhr sowie offene Brände erkennen. Er verfügt über eine Einschaltkontrolle mit Alarmspeicher -anzeige. Durch Trennen der Versorgungsspannung für max. 2 Sekunden wird ein aktivierter Rauchmelder wieder zurückgesetzt.

3000-U34-00 Kabelende mit offenen Kontakten

3000-U34-01 mit Stecker für ELM 19"-Einschübe oder ELM Box-Module

Technische Änderungen vorbehalten.



Smoke detector

This photo electronic smoke detector can be connected to a Sensor Unit of the ELM system. It detects smouldering fire (clear smoke) or fire with low oxygen transfer or open fire in an early stage. It is a conventional smoke detector with switch-on-control, with alarm latch and alarm indicator. Disconnecting the power supply for max. 2 seconds resets an activated detector.

3000-U34-00 open cable ends

3000-U34-01 with connector plug for ELM 19"-racks or ELM box modules

Subject to technical changes.



Fig. 1: 3000-U34-01

Plug front side view	Pin number of plug	Signal	Wire color
4 3 2 1	1	12 V DC	yellow
	2	Sensor	green
	3	Ground	brown
	4	(not used)	

Fig. 2: Connector

Characteristics

- Detector specification: DIN EN 54 T 7
- Approval: VdS, LPCB, CNBOP
- Operating voltage: 8 to 28V DC
- Room to be monitored: max. 120m² / height 12 m
- Alarm output voltage: > 2V
- Normal output voltage: approx. 400mV
- Output voltage with sensor removed: 0 V
- Display: red LED when alarm
- Storage temperature: -25°C to +75°C
- Ambient temperature: -20°C to +72°C
- Housing: ABS, white similar to RAL 9010
- Weight: approx. 90g
- Dimensions incl. socket: ø = 90mm, H = 72mm
- Type of protection: IP 40

Using with ELM Sensor Unit 3000-U13

The smoke detector may be connected to an analog input of the 3000-U13. It allows switching relays and/or initiation of alarm, dependent on the status of the detector. In case of alarm it applies +12 V to the sensor input. This is out of measuring range but not out of maximum input voltage and will not damage the module input. With set points of approx. 200 mV and 1800 mV it is possible to distinguish the three types of status:

- lower then 200 mV = the detector is removed; - higher then 1800 mV = fire is detected; - else = detector in idle status

Parameters example for ELMControl software:

lower end of scale	lower limit	upper end of scale	upper limit	fitting scale	fitting offset	lower set point	upper set pint
0	0 mV	1	2000 mV	0.0002	0	0.5	0.5