

Linear heat detector LWM-1, DE/EN



Part-No. 761290

Approval: VdS

The LWM-1 enables early detection of fires or overheating. It is specifically designed for application in narrow rooms or rough environmental conditions. The system consists of an LWM-1 evaluation unit and a special sensor cable, which must be selected according to the type of application. The actuation on the loop and the resetting function is carried out via the esserbus transponder Part No. 808623.

Actuation on a conventional line is carried out via the same transponder. The device requires a separate voltage supply of 24V DC for the galvanic separation of D.C. voltage potentials and the voltage converter Part No. 781337 must be used in order to avoid ground faults.

Features:

- Maximum sensor length of 300 m
- Resistant against mechanical and chemical impact, corrosion, humidity and dust
- Easy to install, economic, low-maintenance
- Calibration switch setting
- VdS approval as per EN 54-5 A1 applicable up to 7.5 m ceiling height
- Suitable for application in hazardous areas
- Early fire detection with heat detector classes A1, A2, B and C
- High chemical and / or mechanical resilience by using special sensor cables
- 2 floating relay contacts for fire and fault disturbances
- Separate reset input for resetting via esserbus transponder 808623 during loop operation
- Test button for simulating alarm, fault and LED test

Operating voltage	10 ... 30 V DC
Current consumption @ 24 V DC	approx. 25 mA (DIFF- or MAX-alarm)
Current consumption in the case of failure	15 mA
Quiescent current @ 24 V DC	approx. 25 mA
Display	LED green: in operation, permanent light; LED red: alarm diff., permanent light,
Range	max. 300 m, dependent on ambient temperature
Type of protection	IP 65
Material	ABS plastic
Air humidity	< 95 % (non condensing)
Color	gray similar to RAL 7035
Weight	approx. 550 g
Dimensions	W: 200 mm H: 120 mm D: 80 mm



The fastening clamp for mounting the line heat detector can be purchased at wholesale. For application in Ex areas please read the explanation in the manual.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.