Line heat detector
with combinable maximum temperature and rate-of-rise
detector configuration.

Art.Nr.: SEE761290



Line heat detector with combinable maximum temperature and rate-of-rise detector configuration. It is suitable for response grades A1, A2, B and C in compliance with EN 54-5 for maximum line lengths of 300m with ambient temperatures of 65°C.

The evaluation unit detects changes in temperature by permanently monitoring the resistance level in the NTC insulation of the sensor cable. A temperature change will influence the resistance value between the connected loops within the sensor cable: in case the temperature rises, the resistance level decreases. Each change in the resistance level is detected by the evaluation unit and when reaching the pre-configured alarm threshold, the respective alarm messages are transmitted. The alarm threshold for maximum temperature alarm can be set via

a 16-contact switch. The maximum temperature alarm is triggered when the static alarm temperature in the sensor cable is exceeded. For configuring the rate-of-rise alarm threshold, two 16-contact switches are provided. DIFF-Time automatically changes the time interval for detecting the ambient temperature levels. The shorter the time interval, the less sensitive the response behaviour. DIFF-Alarm changes the difference in temperature that causes an alarm within the chosen time interval. There is one LED for normal operation, maximum temperature alarm, Diff-Alarm and trouble respectively. With two check buttons, the system can be electrically checked for alarm and trouble. Both reports are stored by the evaluation unit. The line heat detector is connected to the fire alarm control panel via the esserbus transponder and the reset module 781332. For resetting the evaluation unit, the reset button at the fire alarm control panel must be activated in order to interrupt voltage supply. Alternatively, the internal reset button can be activated.

Technical data
Material ABS
Dimensions (WxHxD) 200 x 120 x 80mm
Weight approx. 550g
Type of protection IP 65
Colour grey, similar to RAL 7035
Temperature range -20°C to 50°C
Sensor length up to 300m
Voltage 10-30V DC
Quiescent current max. 25mA (at 24V)
Alarm current max. 2mA (at 24V)
Current consumption in case of failure max. 15mA (at 24V)
Starting current < 100mA (at 24V)

Specification

Length: cm 0
Width: cm 0
Height: cm 0
Volume: cc 0
Weight: kg

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