

Smoke/Heat Detector LX-SH-R

The photoelectric smoke and heat detector LX-SH-R with relay output and autoreset continuously monitors its sensitivity and operational status. Background drift is daily compensated to maintain the original calibrated sensitivity within the EN54 sensitivity limits.

Details

The product performs daily a full diagnostic test that includes dynamically testing the sensing chamber as well as the internal electronics. If a detector drifts out of sensitivity range or fails the internal diagnostic test, this is reported back to the panel and indicated on the detector with a yellow fault LED.

The smoke/heat detector includes a sensitivity test mode that may be activated by simply holding a magnet near the detectors test point. This initiates a self-diagnostic routine and provides visual indication if service is required. This test mode allows field sensitivity testing without requirement for external meters or test gas.

The photoelectric sensing chamber unclips from the detector for easy field cleaning and service. During regular maintenance the detector cover can be removed, the optical chamber removed and thrown away and replaced by a low cost, new chamber. On power up the detector auto calibrates and returns to normal operating mode without any further intervention.

- Automatic self diagnostics: Dynamic full detector and sensitivity test
- Manual self diagnostic with visual sensitivity indication
- Field sensitivity testing without external meters
- Field exchangeable and disposable optical chamber
- High false alarm immunity
- Floating background with drift compensation
- Separate fire and fault LED
- 12-24 VDC operation
- Polarity insensitive
- Full range: optical, heat and optical / heat multi criteria sensor
- EN54 approved

Order Code

LX-SH-R



Technical Data

Operating Voltage:	8.5-33 VDC
Current Consumption:	Quiescent at 24 VDC: 100microA, Max. 70 microA average In alarm at 24 VDC: 60mA
Alarm Indication:	White LED (red alarm)
Fault Indication:	Yellow LED
Remote Alarm Output:	30 mA, relay models: 2 A @ 30 VDC, 1 A @ 120 VAC
Humidity:	0-95%,Non-condensing
IP Rating:	IP43
Operating Temperature:	-10°C to 60 °C
Sensitivity:	10% /m (+1,6%, -3.3%)
Heat Specification:	Ambient: 25 °C R.O.R.: NA Fixed Temp: >40 °C
Reset Voltage:	2.5 V max
Reset Time:	Automatic
Dimensions:	10 cm Ø, 5 cm (H)
<i>10 cm Diameter Base -6 Terminals:</i>	
Dimensions:	Diameter 100m, Height 9mm
Number of contacts:	6
Remote Indicator facility:	Yes