Fixed heat detector ES Detect

Part-No. 800171

Approval: VdS

Automatic heat detector with fast semiconductor sensor for reliable detection of fires with distinctive heat. Fire detector with decentralized intelligence, automatic function self-test, alarm and operations data storage and alarm display. A remote indicator can also be connected.

Operating voltage	8 ... 42 V DC
Quiescent current @ 9 V DC	25 µA
Alarm current @ 9 V DC	9 mA
Area to be monitored	max. 30 m²
Height to be monitored	max. 7.5 m
Air velocity	0 ... 25.4 m/s
Application temperature	-20 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Type of protection	IP 43 (base + option)
Material	ABS
Air humidity	< 95 % (non condensing)
Color	white, similar to RAL 9010
Weight	approx. 110 g
Detector specification	EN 54-5 A1S
Dimensions	Ø: 117 mm H: 49 mm (62 mm inkl. Sockel)

ℹ Special marking for heat detector on the light pipe: black ring

🚚 Detector base is not supplied as standard

Accessories:

767800 assembly bracket
805590 standard IQ8Quad detector base
805591 detector base with IQ8Quad relay contact

Features:

System benefits:
- Optimally matched to the ES Line system
- With multisensor detectors for the detection of all fires, even under the most difficult operating conditions
- Up to 30 detectors per detection group

Reliable detection:
- Uniform response sensitivity of the detector for all different types of fire for the multisensor detectors
- Large distance between signal and interference magnitudes due to special sensor and electronics design for suppressing electromagnetic influences
- Automatic adaptation to varying environmental influences
- Electronic compensation also called drift-compensation of long-term influences of contamination or aging

Reliable false alarm suppression:
- High reliability against false alarms by temporal evaluation of different sensor criteria, with built-in insect screen and sealed against rear air flow entry
- Exclusion of signal forms not typical of fires through special filter algorithms
- Automatic self-monitoring of the detector electronics
- Automatic self-monitoring of sensors for function and condition

Maintenance:
- Designation of the heat detector by a black ring on the light pipe
- Hours of operation, alarm and fault counter in each detector
- Operation data retrieval of all detectors of a group with standard service PC and field bus interface
- Detector LED for alarm display and as an identification display in the service (for maintenance with 8000 tools)

Wide range of accessories:
- Standard socket and relay base
- Socket adapter for ceiling installation
- Dust caps optional for fire detectors and detector base
- Kit for suspended mounting