Fixed heat detector ES Detect, Class B

Part-No. 800177

Approval: VdS
As 800171, however, for increased response temperature according to EN 54-5 class B.

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. 6 m
Air velocity	0 ... 25.4 m/s
Application temperature	-20 °C ... 65 °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 BS
Dimensions	Ø: 117 mm H: 49 mm (62 mm inkl. Sockel)

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