



Special detectors

Linear Smoke Detectors

FireRay 5000



Product features

- Integrated laser
- One system controller unit can be used to control and monitor up to two detector heads
- Monitored area min. 8 m (25 ft) up to max. 100 m (328 ft) depends on the used number of prism reflectors
- Auto-Align: automatic ray alignment
- Auto-Optimize: adjustment to compensate for building movement and impurities
- 2-wire interface between system control device and detector
- Integrated event log for 50 events per detector head

Technical specifications

Optical wavelength	850 nm
Ambient temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Storage temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Relative humidity	max. 93 %, no condensation
Operating voltage	14 to 36 V DC
Rated voltage	24 V DC
Rated current consumption with 1 detector head	5 to 6 mA
Rated current consumption with 2 detector heads	7.5 to 8.5 mA
Current consumption alignment mode	35 to 37 mA
Outputs	2 alarm relays 2 fault relays
Relay contact voltage	30 V DC
Relay contact current	100 mA
Response sensitivity	adjustable 10 to 60 %
IP rating	IP 54
Specification according to	EN 54-12
Weight (system control)	1000 g (2.2 lbs)
Dimensions (system control)	202 x 230 x 87 mm (WxHxD) 7.95 x 9.05 x 3.42 inch (WxHxD)
Weight (detector head)	500 g (1.1 lbs)
Dimensions detector head	134 x 131 x 134 mm (WxHxD) 5.27 x 5.16 x 5.27 inch (WxHxD)
Dimensions prism reflectors	100 x 100 x 10 mm (WxHxD) 3.9 x 3.9 x 0.4 inch (WxHxD)

Part no.: 908458

The FireRay 5000 is a high performance auto-aligning beam detector comprising of a ground level controller, detector head with auto-aligning feature, integral laser for rapid initial alignment and single prism, This enables quicker installation and auto-compensation for building movement. An additional detector head can be added to the controller.

Included in delivery

- 1 System controller unit
- 1 Detector head
- 1 Reflector
- 1 Short range mask

Note

1 reflector is monitoring distances from 8 up to 50 m (26 up to 164 ft). For a range less than 18 m (59 ft), the short range mask may be used. 4 reflectors are required for monitoring a range of 50 m up to 100 m (26.25 up to 328 ft).

Approvals / marking

G 208017

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