

DATASHEET

6020-100

Fireray Hub Reflective System

MAIN FEATURES

- Fireray Hub Reflective System



TECHNICAL SPECIFICATIONS

Power supply

Power supply type	24 VDC
Operating voltage	14 to 36 VDC
Current consumption	12.5 mA with 1 detector15 mA with 2 detectors17.5 mA with 3 detector33 mA (alignment and LCD backlight ON)

Inputs / outputs

Zone length	< 100 m to furthest detector
Output quantity	< 6 (2 per detector head)
Output type and rating	Relay: 1 A at 36 VDC

Physical characteristics

Physical dimensions	Controller: 170 x 274 x 73 mm (H x W x D)Detector: 131 x 134 x 131 mm (H x W x D)Reflector: 100 x 100 x 9 mm (H x W x D)
Net weight	Controller: 1.05 kgDetector: 0.57 kgReflector: 0.06 kg
Mounting type	Hinged mouting, Surface mount
Material (body)	Polycarbonate - UL94V-0
Colour	White RAL9016, Grey RAL7001
Mounting Accessories	FD-MB001R

Environmental characteristics

Operating temperature	-10 to +55°C (+14 to +131°F)
Storage temperature	-40 to +85°C (-40 to +185°F)
Relative humidity	0 to 93% non condensing or icing

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TECHNICAL SPECIFICATIONS

Environment	Indoor
IP rating	Controller: IP65Detector: IP55
Other characteristics	
Status indication	Ground level controller
User interface	LEDs and backlit LCD display
Compatibility	Conventional supervised systems
Connectivity	Potential free relays
Cable specification	24 to 14 AWG (0.5 to 1.6 mm) (1/100" to 6/100")
No. of cable cores	2, dedicated
Detection principle	Optical infrared beam
Range	8 to 50 m (to 120 m with FD-LRK)
Optical wave length	850 nm
Adjustment angle	± 4.5°
Misalignment tolerance	± 0.5°
Beam path clearance	0.5 m (1¾ ft) radius from centre line between detector and reflector
Detectors per controller	> 3
Response time	< 2 s
Cable entries	2 knock-out locations of 21 mm (¾") diameter for cable glands, 2 drill-out locations of up to 21 mm (¾") diameter
Vandal proof	No
Compliance	CE, REACH, RoHS 3, UKCA, WEEE
Certification	CPR
Voluntary marks	VdS
Standards	EN54-12
Category	Reference
Detection device	5000-008