

6030-100

Fireray Hub Reflective - Detector

General

The Fireray Hub Reflective Detector is an additional beam detector head for use with the Fireray Hub Reflective System. Connection of up to 3 Fireray Reflective Detectors can be accommodated on a single cable run to the hub, making the installation extremely easy and flexible. The 6030-100 consists of one reflective detector head with reflector.

Benefits

It supports modern, reflective motorised beam technology that facilitates:

- Auto-Alignment™

Using the Hub, direct the laser onto the prism and with the press of a button, it aligns itself.

- Building Movement Tracking™

Keeping the beam aligned even if the building moves, preventing unwanted alarms and faults

- Light Cancellation Technology™

Prevent nuisance alarms by compensating for sunlight and artificial light sources

Details

- Offers laser-assisted, motorised Auto-Alignment™ from the system controller, with manual alignment as an option if needed
- 2-wire interface from detector to system controller offers an installation with 60% less wiring and in 25% less time using network mode
- Compensates for natural shifts in alignment from building movement
- Compensates for gradual build-up of contamination on the optical surfaces
- Compensates for high levels of sunlight and artificial lighting
- Dynamic beam phasing allowing beam detectors to be mounted facing each other with the reflectors in the middle
- Operate in dusty or wet environments due to the high enclosure integrity of the detector

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Technical specifications

General

| | |
|-------------------|---------------------------------|
| Compatibility | 6020-100 Fireray Hub Reflective |
| Connectivity | 2-wire & screen |
| Addressing method | DIP Switches |

Electrical

| | |
|---------------------|--|
| Power supply type | Loop powered |
| Operating voltage | 14 to 36 VDC |
| Cable specification | 24 to 14 AWG (0.5 to 1.6 mm) (1/100" to 6/100") |
| No. of cable cores | 2, dedicated |

Detection

| | |
|------------------------|--|
| Detection principle | Optical infrared beam |
| Zone length | < 100 m from the hub |
| 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 |
| Response time | < 2 s |

Physical

| | |
|---------------------|---|
| Physical dimensions | 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 | Detector: 0.57 kg Reflector: 0.06 kg |
| Mounting type | Hinged mouting, Surface mount |

Environmental

| | |
|-----------------------|----------------------------------|
| Vandal proof | No |
| 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 |
| Environment | Indoor |
| IP rating | IP55 |

Regulatory

| | |
|-----------------|-------------------------------|
| Compliance | CE, REACH, RoHS 3, UKCA, WEEE |
| Certification | CPR |
| Voluntary marks | VdS |
| Standards | EN54-12 |

Compatible products

| Category | Reference | Description |
|----------------------|-----------|-------------|
| Detection device | 5000-008 | |
| Detection device | 6020-100 | |
| Detection device | FD-LRK | |
| Mounting Accessories | FD-MB001R | |
| Mounting Accessories | FD-PC001R | |



As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

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