



PANASONIC

Panasonic 3000-115 Fireray 3000 Ex d, ATEX

Product code 41606 · Fire alarm systems > Field devices > Beam detectors

Flameproof end-to-end beam detector system for smoke detection in large hazardous areas. The system comprises an Ex d transmitter and receiver and a controller installed in a safe area.

- Transmitter and receiver in Ex d enclosures, ATEX
- Measuring distance 10–80 m
- Controller in a safe area, max. 2 detectors
- Laser alignment for single-person installation
- Light Cancellation technology, contamination compensation
- EN 54-12



Product description

Panasonic 3000-115 is the Fireray 3000 Ex d, an end-to-end infrared beam detector for protecting large hazardous areas. The system detects smouldering and heavily smoking fires at an early stage, which flame detectors may not detect. It is designed for large spaces such as oil platforms, refineries and explosives stores.

The system comprises a transmitter, a receiver, a controller, fixings and two brackets. The transmitter and receiver are ATEX-certified Ex d enclosures for Group II hazardous areas. The controller is installed in a safe area, so adjustment and testing can be carried out from outside the hazardous area. The sensitivity (25–60%) and the alarm and fault delay (2–30 s) are set on the LCD display of the controller. The requirements of EN 54-12 are met with a sensitivity of 25% and an alarm delay of no more than 20 seconds. Light Cancellation technology and compensation for contamination and building movement reduce false alarms.

Installation

The measuring distance is 10–80 m. The receiver has laser alignment, and both ends have fine adjustment wheels. Two detector pairs can be connected to the controller (additional pack 3000-026), each with its own fire and fault relay. The controller can also power the transmitter. Ex d cable glands are used for cable entries. Protective cage 1000-019 is available as an accessory.

Technical data

Product code	41606
Manufacturer	Panasonic
Product group	Fire alarm systems > Field devices > Beam detectors
Colour	Transmitter and receiver red, control unit white
Dimensions	Transmitter/receiver 172 × 149 × 190 mm, control unit 124 × 203 × 73.5 mm

Weight	Control unit 606 g, transmitter 3.7 kg, receiver 3.7 kg
Operating voltage	12–36 V DC
Operating temperature	–10...+55 °C (EN 54-12), –20...+55 °C (ATEX)
IP rating	Control unit IP54, transmitter/receiver IP66
EN 54 approval	EN 54-12
ATEX certificate	Sira 15ATEX1260X
ATEX classification	II 2 GD Ex db op is IIC T6 Gb Ex tb IIIC T85°C Db Ta = –20°C to +55°C
Material	Copper-free aluminium alloy LM25, steel brackets
Current consumption (quiescent)	Control unit 14 mA, transmitter 8 mA
Humidity	93% RH, non-condensing
Beam range	10–80 m
Connection	3 × 20 mm cable entries, Ex d cable glands (e.g. Peppers E3WBF)
CPR	0786-CPR-2166g
Relays	VFCO 2 A / 30 V DC, fire and fault per detector

Documents

The manufacturer's original documents can be downloaded from the product page (QR code at the top of this sheet).

Datasheet: Panasonic 3000-115 Fireray 3000 Ex d, ATEX

Installation guide: Panasonic 3000-115 Fireray 3000 Ex d, ATEX

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/panasonic-3000-115-fireray-3000-exd-atex/