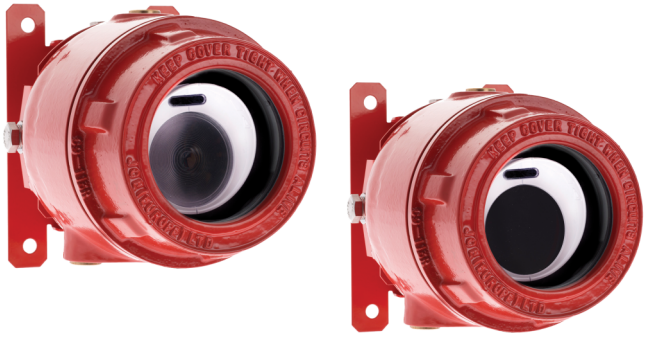
# 3000-026

## Additional detector set for 3000-015 system

3000-026 is an additional detector set for the 3000-115 End-to-End Explosive Proof Beam Smoke Detector. 3000-026 comprises of an infrared transmitter and a receiver, both of which are ATEX-certified for use in Group 2 hazardous areas.



## Operation

The Transmitter head emits a narrow beam of infra-red light to an associated Receiver head. Once smoke crosses through and thus obscures the IR beam path, the signal strength at the Receiver drops below a preset level which in turn results in an alarm condition.

It has been designed so that it can be installed by a single Engineer, with its laser assisted alignment method combined with easy to use alignment LEDs offering visual feedback. Integrated laser alignment aid can be activated at the Controller.

It also has a feature which allows for the Transmitter to be powered from the Controller by wiring directly, thus reducing the number of power supplies required.

## Details

- Seperate transmitter and receiver unit certified to Exd
- Separate fire and fault relays per detector
- Range 5 to 80m, configurable per set of detectors
- Integral laser alignment in receiver
- Low current consumption
- Programmable sensitivity and fire/fault delay
- Contamination compensation for dust and building movement
- Transmitter can be powered from controller
- ATEX, IECEx, EN54:12, VdS Approved
- Light cancellation technology

# 3000-026

## Additional detector set for 3000-015 system

## Technical specifications

### General

| | |
|---|---|
| Status indication | Receiver: Alignment LEDs for single person alignment |
| Reset time | Power Down: >20 s |

### Electrical

| | |
|---|---|
| Operating voltage | 12 to 36 VDC +/-10% |
| Current consumption | 8 mA (per transmitter) |

### Detection

| | |
|---|---|
| Optical wave length | 850 nm |

### Physical

| | |
|---|---|
| Physical dimensions | 172 x 149 x 190 mm (incl. bracket), Transmitter/Receiver |
| Net weight | 3.7 Kg (incl. bracket) |
| Mounting type | Vægmontering |

### Environmental

| | |
|---|---|
| Operating temperature | -20 to 55°C, noncondensing |
| Relative humidity | 93%, noncondensing |
| Environment | Exd |
| IP rating | IP66, Transmitter/Receiver |

### Regulatory

| | |
|---|---|
| Certification | CENELEC/ATEX |

### Fire and Fault Relay Contacts

| | |
|---|---|
| | 2A @ 30Vdc resistive |

### Housing Material

| | |
|---|---|
| Transmitter/Receiver | Aluminium Alloy LM25, red |
| Bracket | Steel, red |

### Parts List

| | |
|---|---|
| | Transmitter (clear lens), receiver (dark lens), fixing kit, two brackets |

### Alarm & Operation Thresholds

| | |
|---|---|
| Delay to Alarm/Fault | Min: 2sec; Typ: 10sec; Max: 30sec (selectable in 1sec steps) |
| Laser Time-out | Min: 1min; Typ: 5min; Max: 59min (selectable in 1min steps) |
| Response Sensitivity/Threshold | Min: 25%; Typ: 35%; Max: 60% (selectable in 1% steps) |

### Certifications

| | |
|---|---|
| EN54:12 and ATEX | Ex II 2GD |
| | Ex db op is IIC T6 Gb |
| | Ex tb IIIC T85C Db |

### Compatible products

| Category | Reference | Description |
|---|---|---|
| Detection device | 3000-115 | End-to-end flame proof beam detector system |

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