

# Optical beam smoke detection



See the  
data sheet  
online

## Optical linear smoke detectors

Linear smoke detectors are a widely used solution in applications characterized by large open places (sheds, large commercial premises, hangars, etc.). The use of trans-reflective detectors such as those proposed, which require wiring only from one end of the protected area, are further advantageous as they make it possible to reduce installation and maintenance costs without detracting from their reliability and effectiveness.





## BDH160

### SELF-ALIGNING OPTICAL BEAM SMOKE DETECTOR



CE - CPR



EN54-12



Equipped with transreflective technology and a motorized head capable of aligning itself automatically during the commissioning phase and also of re-aligning itself during service. The system comprises a motorized head unit containing an infra-red transmitter and receiver, a ground level controller and prism reflector. The system includes a motorized head containing an infrared transceiver, a ground level controller and reflectors. The presence of smoke is revealed by the analysis of the infrared beam transmitted by the head and reflected by the reflector. The standard system covers a distance from 5 to 70m. Kits (additional reflectors) are available in order to increase the range to a maximum of 160m.

- Detector with integrated TX and RX and reflector
- Motorized for self-alignment
- Connectable to Inim Loop via EU311 module
- Powered independently or from Loop
- Max. 20 detectors powered by a single Loop (to be verified with Loop calculation software)
- Controller for surveillance and maintenance operations

#### TECHNICAL SPECIFICATIONS

|                                   |                 |                   |                    |
|-----------------------------------|-----------------|-------------------|--------------------|
| Stand-by current draw:            | 3 mA            | Protection grade: | IP65               |
| Current draw during alarm status: | 3 mA            | Dimension:        | 155 x 180 x 125 mm |
| Operating temperature:            | -15° ... +55° C | Weight:           | 1 Kg               |
| Operating voltage                 | 10.2 / 30 V     |                   |                    |

## BDH200

### SELF-ALIGNING OPTICAL BEAM SMOKE DETECTOR WITH BLUETOOTH AND MANAGEMENT APP



CE - CPR



EN54-12



Functions and features identical to the BDH160, this model includes a Bluetooth interface and an App for managing and controlling the detector.

- Detector with integrated TX and RX and reflector
- Motorized for self-alignment
- Connectable to Inim Loop via EU311 module
- Powered independently or from Loop
- Max. 20 detectors powered by a single Loop (to be verified with Loop calculation software)
- Bluetooth interface for connection with SmartPhone
- Free App for detector control

#### TECHNICAL SPECIFICATIONS

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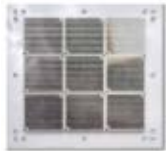
## Accessories for BDH linear smoke detectors



### **70KIT140**

70 TO 140M EXTENSION KIT

Includes a mounting plate for BDH-ADAPT reflectors and 3 additional reflectors.



### **140KIT160**

70 TO 160M EXTENSION KIT

Includes a mounting plate for BDH-ADAPT reflectors and 8 additional reflectors.



### **BDHADAPT**

PLATE FOR ASSEMBLING THE DETECTOR OR REFLECTORS

Already supplied with the range extension kit, facilitates detector mounting in situations where a suitable wall is not available (metal mesh, uneven surface, etc.).



### **FB-BRACKET**

SWIVEL PLATE FOR PRISM REFLECTOR

Allows the correct alignment of the reflector and the transmitter in the event the two objects are not installed facing each other.



### **FOGKIT**

ANTI-FOGGING KIT FOR APPLICATIONS IN PARTICULARLY HUMID AMBIENTS

The Kit includes a screen in anti-fogging material to be applied on the transceiver and a single reflector (FOGREF) in anti-fogging material.



### **FOGREF**

REFLECTOR IN ANTI-FOGGING MATERIAL

To be combined with FOGKIT for applications with ranges exceeding 70m.