FG-BD100 BEAM DETECTOR



PRODUCT OVERVIEW

Reflective Beam Detector has built in Laser beam pointing and Digital guide display for real user friendly alignment method. The Laser bam pointing accurately point the exact location where to mount mirror and with additional digital guide display allows to monitor and guide on the actual light intensity between the mirror and detector which cannot be seen by our naked eye making it more easy and convenient in alignment commissioning.

FG-BD100 has four adjustable operational ranges between 8 to 20, 20 to 40, 40 to 70 and 70 to 100 metres beside with three adjustable sensitivity setting ranges from 2.6dB, 3.8dB and 5.8dB to meet the specific environmental requirement. FG-BD100 works on the principle of reflective infrared beam obscuration. Used in conjunction with a reflector, it will notify the fire alarm panel when the infrared beam is obscured by smoke.



Features

- > EN54-12 Compliance.
- >Hassle free alignment, built with digital guide display and laser beam pointing.
- > Employ single-ended design through reflective mirror.
- > Four ranges wide monitoring from 8-100 meters via encoder.
- > Built-in microprocessor.
- >Self-diagnosis function can monitor for internal faults.
- > Automatic compensation for factors weakening received signals, such as dust contamination, positional movement and ageing of the transmitter.
- > Fire and Fault interfacing relays.
- >Attractive and pleasing appearance.
- > Real User friendly alignment method.

MODEL	DESCRIPTION
FG-BD100	REFLECTIVE BEAM DETECTOR









Technical Specification

Standard

Listed : LPCB Aprroval. Compliance : EN54-12

Fire Detection and Alarm Systems: BS 5839 Part 1: 2002

Specification

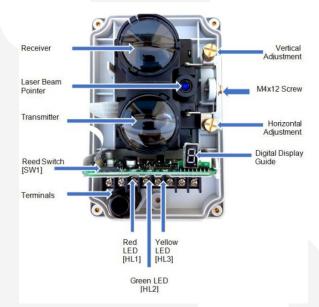
Operating Voltage : 20 - 28 V DC

Current Parameters

Standby : 23 mA Commission : 56 mA Alarm : 33 mA

Beam Sensor Sensitivity [Via Encoder]

Level 1 : 2.6 dB High Sensitivity
Level 2 : 3.8 dB Medium Sensitivity
Level 3 : 5.8 dB Low Sensitivity



Beam Pathway Length [Via Encoder]

Span 1 : 8 to 20 meters Llimited Path Span 2 : 20 to 40 meters Short Path Span 3 : 40 to 70 meters Normal Path Span 4 : 70 to 100 meters Long Path

Beam Pathway Angle : ±0.4° Directional.
 Alignment Guide : Laser Beam Pointer

Digital Display Guide : Nixie Tube.

LED Indicator Guide

Red : Fire Yellow : Fault : Alignment

Reset Time : Less than 2 second

Relay Capacity [Fire & Fault]: Normally Open & close/ 2.0 A; 30 VDC

Physical

Material / Colour : ABS / White

Dimension(mm) / Weigh : L: 190.87 x W: 126.87 x H: 91.96 / 440g

Weight : 0.130 kg with base

Environmental

Operating Temperature : -10°C to +50°C

Ingress protection Rating: IP30[IP66 glue seal-for permanent fixing]

Humidity : 0 - 95%

FIREGUARD GLOBAL LTD.

Tel: 00-44-8450751042 **Fax:** 00-44-8459751043

Email: Info@Fireguard-Uk.com

www.fireguard-Uk.com



Unit 11 · Chancel Industrial Estate · Newhall Street Willenhall · WV13 1NX · United Kingdom











Fire Guard / FG- EVAC-MPS87 A