

Features and Benefits

- 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
- Three users programing sensitivity adjustment
- 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



Overview

LF-X5130 Conventional Reflective Beam Detector has built in Laser beam pointing and Digital guide display for real user friendly alignment method. The Laser beam 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.

The LF-X5130 has four adjustable operational ranges of between 8 to 20, 20 to 40, 40 to 70 and 70 to 100 meters beside with three adjustable sensitivity setting ranges from 2.6dB, 3.8dB and 5.8dB to meet the specific environmental requirement. The LF-X5130 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.

The LF-X5130 is ideal for use high ceiling and wide areas such as warehouses, large storages, shopping malls, leisure centres, exhibition halls, hotel lobbies, printing houses, garment factories, museums and prisons, as well as places where slight smoke particles or corrosive gas exist.

Technical Specification

Standard

Listed	LPCB Certification
Compliance	EN 54-12:2015
Fire Detection and Alarm Systems	BS 5839 Part 1:2017

Specification

Operating Voltage	20 V to 28 V DC
Current Parameters	Standby: 23mA, Commission: 56mA, Alarm: 33mA
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 Limited 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 Path Angle	±0.4° Directional (This data takes the average of the left and right deflection angles.)
Alignment Guide	Laser Beam Pointer
Digital Display Guide	Nixie Tube
LED Indicator Guide	Red: Fire; Yellow: Fault; Green: Alignment
Reset Time	Less than 2 Second
Relay Capacity [Fire & Fault]	Normally Open & Close/ 2.0 A; 30 VDC

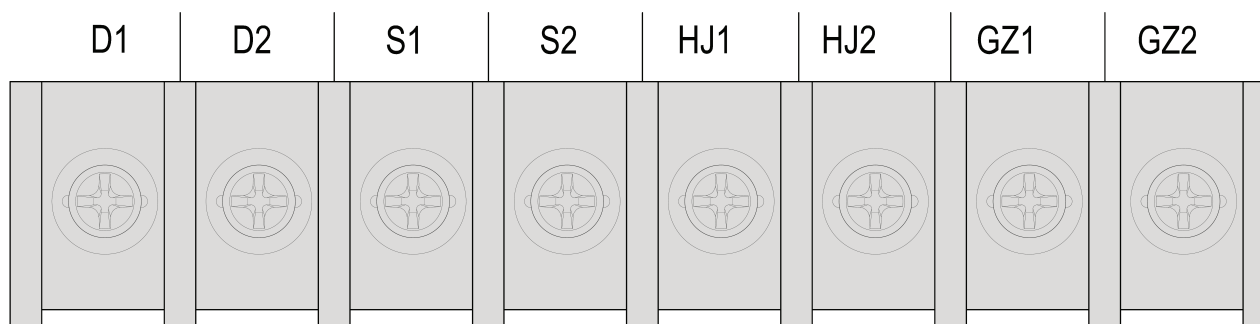
Physical

Material / Colour	ABS / White
Dimension / Weight	L:190.87 x W:126.87 x H:91.96 mm / 440 gm
Weight	0.130 Kg with base

Physical

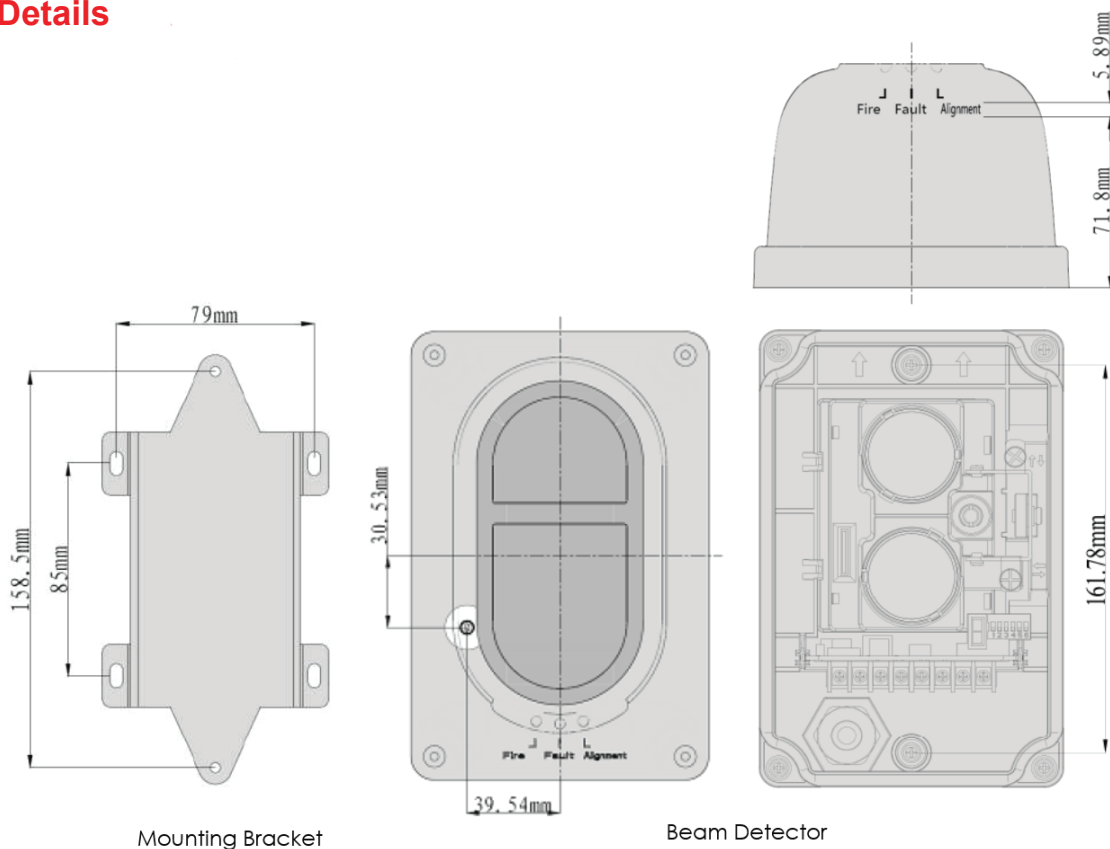
Operating Temperature	-10°C to +50°C
Ingress Protection Rating	IP30 [IP66 glue seal-For permanent fixing, Not EN54-12 approved]
Humidity	0 to 95% Relative Humidity, Non condensing

Wiring Terminals





Mounting Details



Names and Locations

