



Conventional Beam Detector 8-100m



Summary

EC-BD8100 is an EN54-12 approved conventional reflective beam detector that works from 8m to 100m range. It comes complete with mounting bracket and reflector plates for this operation. The monitored distance is set using a simple set of dip switches inside the main housing of the beam. In addition it also has 3 sensitivity settings adjusted using the same principal. Fire and fault relays provide easy interface to any fire detection system both conventional and addressable.

The EC-BD8100 is ideal for use on 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	
Operating Voltage Range	20Vdc to 28Vdc
Operating Current - Standby	<23mA
Operating Current – In Fire Condition	<33mA
Operating Current – Commissioning	<40mA
Beam Path Angle	±0.5° Directional
3 Sensitivity Settings	2.6dB / 3.4dB / 4.8dB
Alignment	Laser and numeric digital display
Settings	8 Dip Switches
Relay Outputs	(2) Fire and Fault
Led Indicators (3)	Red – Fire Yellow – Fault Green - Alignment
Reset Time	Less than 2 seconds
Operating Environment - Temperature	-10°C to 55°C
Operating Environment – Relative Humidity	0 to 95% non-condensing
IP Rating	IP30 – (IP66 when glue gasket is used)
Dimensions	190.87mm x 126.87mm x 91.96mm
Weight	0.130Kg with base

Key Points

- 8 - 100m Reflective Beam
- 3 Colour LED provide operational status
- 2 Relays provide Fire and Fault trigger to Fire Alarm Panels
- LPCB EN54-12 Approved
- Visible Laser Alignment tool built in
- Easy dip switch configuration
- 3 Sensitivity Levels
- Built in microprocessor with Automatic Compensation.

