



EST-BK901 Beam Detector

EN54-12 Certified

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 programming 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

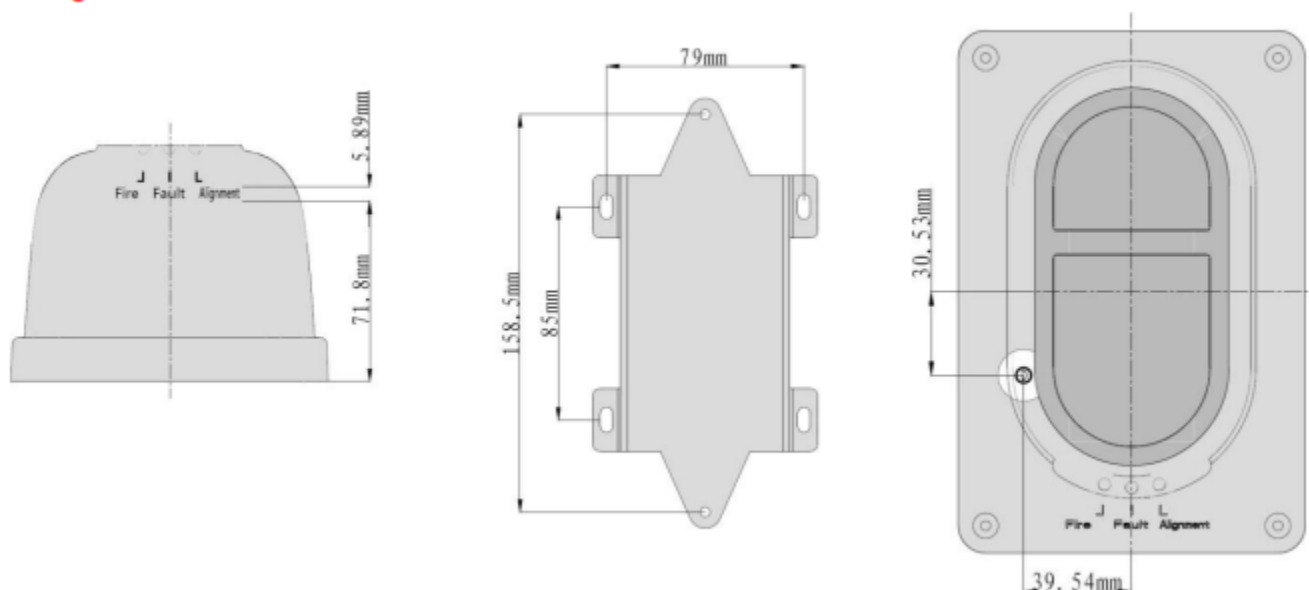
EST-BK901 Conventional Reflective Beam Detector has built in Laser beam pointing and Digital guide display for real user friendly alignment method. The Laser beam pointing accurately point the exact location where to mount mirror and with additional digital guide display allows to monitor and guide on 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 EST-BK901 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 EST-BK901 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 EST-BK901 is ideal for use in 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 leakages.

Specifications

Part Number	EST-BK901
Standard	
Listed	LPCB / CE-CPR
Compliance	EN54-12:2002
Power	BS 5839 Part 1:2002
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 Short Path (1x mirror reflector required) Span 2: 20 to 40 meters Short Path (1x mirror reflector required) Span 3: 40 to 70 meters Normal Path (4x mirror reflector required) Span 4: 70 to 100 meters Long Path (4x mirror reflector required)
Beam Path Angle	±0.5° Directional
Alignment Guide	Laser Beam Pointer
LED Indicator Guide	Nixie Tube
Reset Time	Less than 2 Second (Power Cut)
Relay Capacity [Fire & Fault]	Normally Open/ 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
Accessories	Mounting Bracket/ AW-BK901-R 4 x Mirror Reflector
Environmental	
Operating Temperature / Protection Rating	-10°C to 55°C / IP30 [IP66 glue seal-For permanent fixing]
Humidity	0 to 95% Relative Humidity, Non condensing

Mounting Details



Names and Locations

