BEAM DETECTOR

Below 8 meter ceiling height
Ceiling Level
0.5m min to 1m max
Beam Detector

Above 8 meters ceiling height
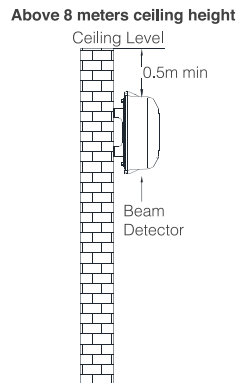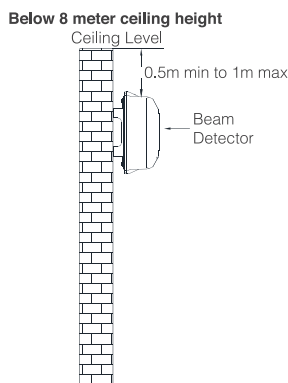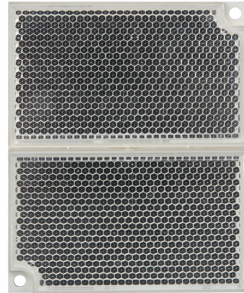Ceiling Level
0.5m min
Beam Detector

Installation Details

DESCRIPTION

The 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 Beam Detector had four adjustable operational range of between 8 to 20, 40, 70 and 100 meter beside with three adjustable sensitivity setting ranges from 2.6dB to 4.8dB meet the specific environmental requirement. The Beam Detector works on the principle of reflective infrared beam obscuration. Used in conjuction with a reflectors, it will notify the fire alarm panel when the infrared beam is obscured by smoke. Secure and quick communication through the onboard processor enables the detector to make its own decision and drift compensation resulting in greater automation.

The Beam Detector is ideal for use high ceiling and wire 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.

SPECIFICATION

Part Number	TX7130
Operating Voltage	20V to 28V DC
Current Parameters	Standby$\leq$23mA Commission $\leq$56mA Alarm$\leq$33mA
Beam Sensor Sensitivity (via encoder)	Level 1: 2.6dB High Sensitivity Level 2 : 3.8dB Medium Sensitivity Level 3 : 5.8db Low Sensitivity
Beam Pathway Length (via encoder)	Span 1: 8 to 20 meters Short 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	$\pm$0.5° Directional
Alignment Guide	Laser Beam Pointer
Digital Display Guide	Nixie Tube
LED Indicator Guide	Red: Fire, Yellow: Fault, Green: Alignment
Reset Time	Less than 2 Secound
Relay Capacity (fire & fault)	Normally Open/ 2.0A, 30 VDC
Material / Color	ABS / White
Dimension / Weight	L: 190.87 x W:126.87 x H:91.96mm / 440 gm
Weight	0.130 Kg with base
Operating Temperature / Protection Rating	-10°C to 55°C/ IP30 (IP66 glue seal)
Humidity	0 to 95% Relative Humidity, Non condensing

FEATURE

1. EN54-12 Compliance
2. Hassle free alignment, built with digital guide display and laser beam pointing
3. Employ single-ended design through reflective mirror.
4. Four ranges wide monitoring from 8-100 meters via encoder
5. Three users programing sensitivity adjustment
6. Built-in microprocessor
7. Self-diagnosis function can monitor for internal faults
8. Automatic compensation for factors weakening received signals, such as dust contamination, positional movement and ageing of the transmitter.
9. Fire and fault interfacing relays
10. Attractive and pleasing appearance
11. Real user friendly alignment method.