

TX7130

Reflective Beam Smoke Detector



EN54-12
1330a-(cl-8)



Features and Benefits

- EN54-12:2015 Certified
- LPCB Approved
- 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 (TX7930) or dip switch setting
- Three users programing sensitivity adjustment via encoder (TX7930) or dip switch setting
- 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

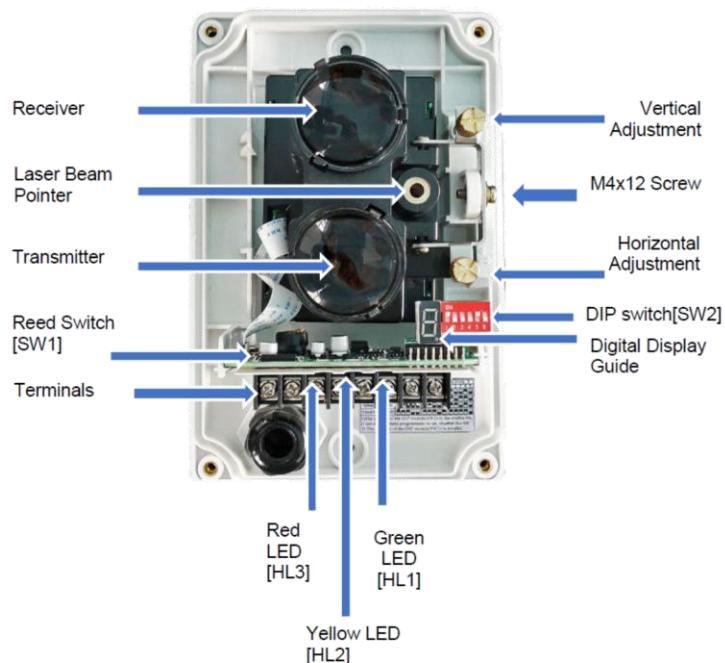
TX7130 Conventional Reflective Beam Detector has built in Laser beam pointing and Digital guide display for real user-friendly alignment method. The Laser beam pointing accurately point the exact location where to mount mirror and with additional digital guide display allows to monitor and guide on the 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 TX7130 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 span and sensitivity can be adjusted through dip switch setting or handheld programmer. The TX7130 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 TX7130 is ideal for use high ceiling and wide areas such as warehouses, large storages, shopping malls, leisure centers, 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

Listed	LPCB / CE-CPR
Certified	EN54-12:2015



Physical	
Material / Color	ABS / White
Dimension	L:190.87 x W:126.87 x H:91.96 mm
Weight	0.440 Kg /0.130 Kg Base
Operating Temperature	-10°C to +50°C
Humidity	0 to 95% Relative Humidity, Noncondensing

Beam Detector	
Input Voltage	20 V to 28 V DC
Current Consumption	Standby:23mA Commission:56mA Alarm:33mA
Protocol/Addressing	T&A, Value ranges from 1 to 254 (Used for TX7 Series Panel)
Beam Sensor Sensitivity	Level 1: 2.6 dB High Sensitivity Level 2: 3.8 dB Medium Sensitivity Level 3: 5.8 dB Low Sensitivity
Beam Pathway Length	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)
On site adjustment	Via TX7930 encoder or 6 position dip switch settings
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 (Power Cut)
Relay Capacity [Fire & Fault]	Normally Open/ 2.0 A; 30 VDC

Ordering Information:

TX7130	LPCB Approved. Conventional Reflective Beam Detector with 4 pieces Reflectors, Fire and Fault signal relays, built-in Laser beam pointing and Digital guide display, Detecting range 8-100m. EN54-12:2015
TX7130-R	Optional Beam Detector Reflector, includes 40 per pack