

Conventional Linear Infrared Beam Detector

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: TANDA
- Certification: LPCB
- Model Number: TX7130
- Minimum Order Quantity: 1PCS
- Price: negotiable
- Packaging Details: 8pcs/carton
- Delivery Time: 7 Working days
- Payment Terms: Western Union, T/T
- Supply Ability: 5000PCS/Month



Product Specification

- Suitable For: Any Brand Fire Alarm Panel
- Detector Type: Conventional Reflective Beam Smoke Detector
- Voltage: 20~28VDC
- Pathway Length: 5-100m | Customized Request
- Compliance: EN54-12
- Type: Infrared Beam Detector
- Alignment Guide: Laser Beam Pointer
- Highlight: **Conventional Beam Detector, Infrared Beam Detector, Infrared Beam Smoke Detector**



More Images



Product Description

DC24V Powered Conventional Linear Infrared Beam Detector For Fire Alarm Smoke System



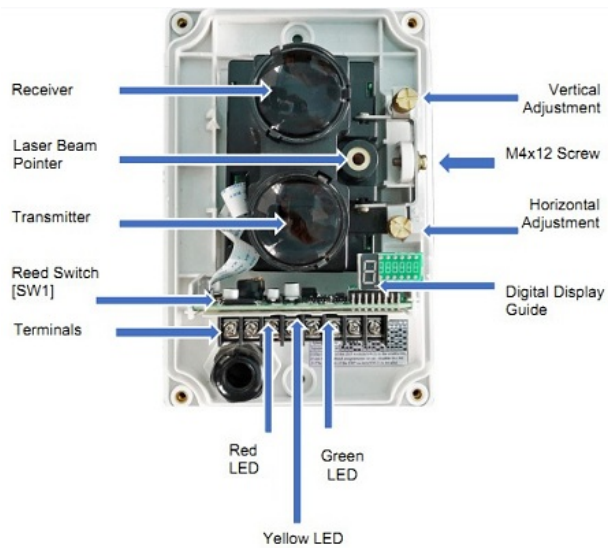
Introduction

Linear beam smoke fire detector consists of transmitting and receiving parts. The transmitting part emits a certain intensity of infrared beam. After being reflected on the reflector, the receiving part of the detector synchronously collects and amplifies the returned infrared beam, and analyzes and determines the collected signal through the built-in microcontroller. When the smoke enters the detection area, the intensity of infrared light received by the receiving part is reduced because the smoke blocks the light. When the alarm threshold is reached, the detector will light up the red indicator and upload the fire alarm signal. The detector must be used with the reflector. It works on the principle of reflective infrared beam obscured. Used in conjunction with a reflector, it will notify the fire alarm panel when the infrared beam is obscured by smoke.

The beam detector is suitable 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.

Specifications

Operating Voltage :	DC 20V~28V
Operating Current:	Standby: $\leq 23\text{mA}$ Alarm: $\leq 33\text{mA}$ Alignment: $\leq 55\text{mA}$
Beam Path Angle:	$\pm 0.4^\circ$
Corrsponding Threshold :	$2.3\text{dB} \pm 0.5\text{dB}$
Relay Capacity [Fire & Fault] :	Normally Open 2.0 A 30 VDC
Beam Pathway Length:	8m~100m
LED Indicator:	Fire: Red Fault: Yellow Alignment: Green
Monitor:	Red LED flashes periodically
Operating Temperature:	-10°C to $+50^\circ\text{C}$
Humidity :	0 to 95% Relative Humidity
Material / Colour:	ABS / Gray
Protection Rating:	IP30
Certification:	LPCB Certification
Weight :	980g with base(single package)



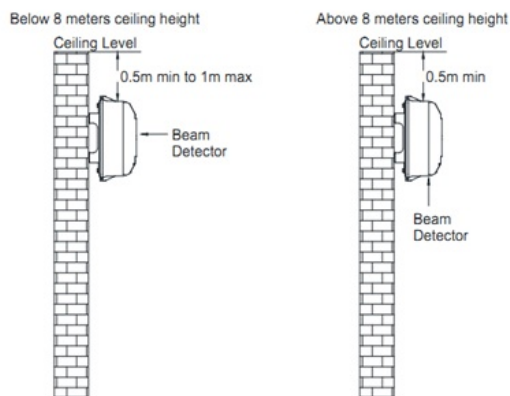
Attentions :

If the ceiling height is less than 8 meters, the beam detector should be installed 0.5 meter to 1 meter below the ceiling level.

If the ceiling height is more than 8 meters, the beam detector should be installed 0.5 meter to 1 meter below the ceiling level

The chosen for the location should be clean and dry and not subject to shock, vibration and free from glass wall, sunlight direction any reflective barrier.

Make sure that the beam path is free from obscuration against moving items.



Install the beam detector

The detector and reflective mirror are installed on both ends of the protected space and in the same horizontal line.

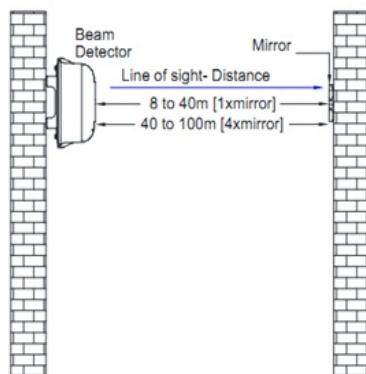
Attach the detector bracket to the wall where the detector is to be installed and mark the position of the mounting hole.

Punch holes in the marked position, and install $\phi 6$ plastic expansion tube in the holes.

Mount bracket to the wall with four ST3.5*25FA tapping screws.

Remove the top cover of the detector, loosen the waterproof connector, and put the wire into the waterproof connector from the back of the detector. The length of the penetration part should be convenient for the wiring of the detector.

Fix the detector base on the bracket with two M4*12*10 screws



Product Range

Conventional Fire Alarm System
 Addressable fire alarm system
 Gas Extinguishing control system
 Beam Detector
 4 wire smoke detectors with relay output.
 2 wire Conventional smoke and heat detectors
 Explosion-proof flame detector for fire alarm system
 Standalone smoke detectors and combustible gas detector

Service

1. OEM & ODM service.
2. Provide technical support and after-sale service.
3. 1 year warranty.
4. Normally 15 working days lead time.
5. Welcome sample order.



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