For Better Protection

TX7130

Conventional Reflective Beam Detector

EN54-12: 2015
1330a/01

Feature and Benefits

EN54-12 Compliance
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 programing 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

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 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 centres, exhibition halls, hotel lobbies, printing houses, garment factories, museums and prisons, as well as places where slight smoke particles or corrosive gas exist.

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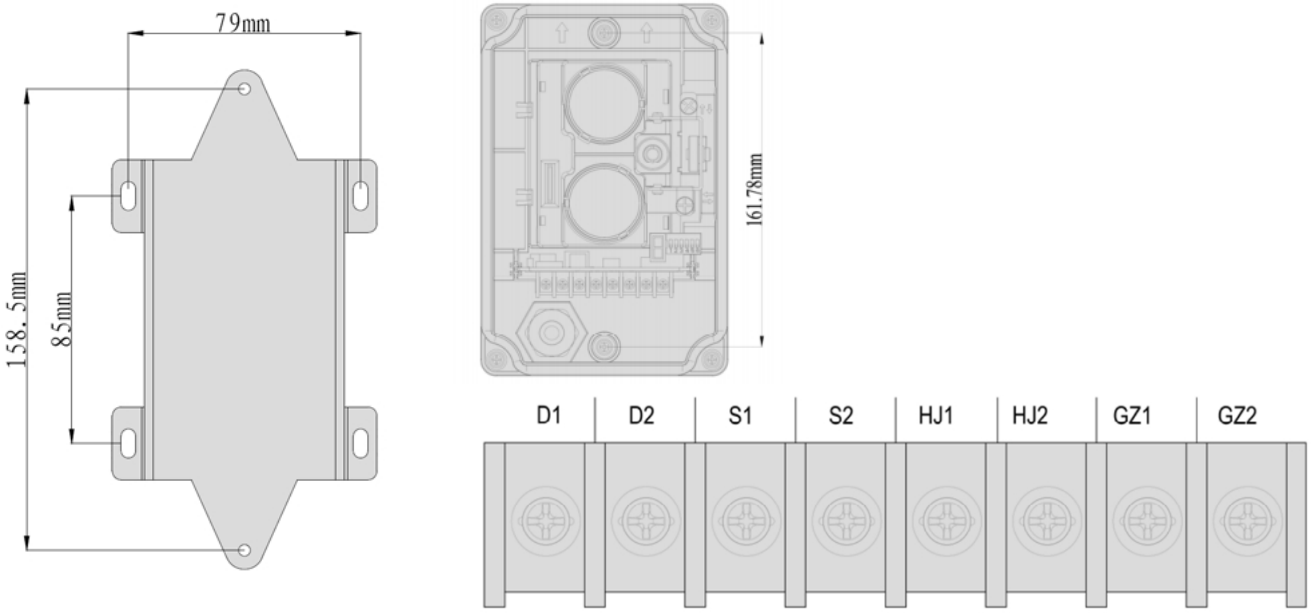
Technical Specification

Listed	LPCB / CE-CPR
Compliance	EN 54-12:2015
Power Rating	
Operating Voltage	20 V to 28 V DC
Current Consumption	Standby: 23mA Commission: 56mA Alarm: 33mA
Detector	
Alignment Guide	Laser Beam Pointer
Digital Display Guide	Nixie Tube
LED Indicator Guide	Red: Fire ; Yellow: Fault ; Green: Alignment
Material / Colour	ABS / White
Dimension / Height	L:190.87 x W:126.87 x H:91.96 mm / 440 gm
Weight	0.130 Kg with base
Operating Temperature	-10° C to +50° C
Humidity	0 to 95% Relative Humidity, Non condensing
Ingress Protection Rating	IP30 [IP66 glue seal-For permanent fixing, Not EN54-12 approved]

Detector and Wiring Details



Terminal Description

1 Terminal D1 (+) and D2 (-) for connecting Power supply [24VDC]
2 Terminal S1 and S2 for connecting handheld programmer when setting parameters with it, or connecting to terminal D1 and D2 respectively when monitoring
3 Terminal HJ1 and HJ2 for connecting Fire signal relay output [Normally Open]
4 Terminal GZ1 and GZ2 for connecting Fault signal relay output [Normally Close]

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