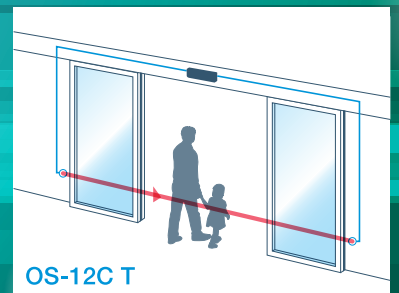


Miniature Photo Electric Safety Beam



OS-12C T

Single beams type : up to 10 m



The Optex OS-12C T active infrared safety beam system is compatible with any type of automatic door. Its amplifier and sensor heads are designed for fast, simple installation while maintaining the highest standards of safety and reliability.

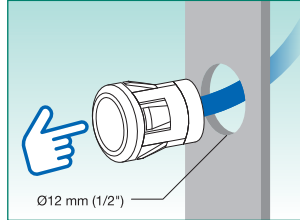
Easy-to-Install Amplifier Unit and Sensor Heads

The Optex OS-12C T amplifier has screwless wiring terminals, which realizes quick installation. Pressing the "Teach-In" button automatically sets the proper sensitivity and self-corrects crossed cables. One amplifier operates one or two pairs of sensor heads.

Teach-in button



One push installation sensor head



Monitoring Capability

OS-12C T has built-in "monitoring capability". OS-12C T monitors all its critical functions and notifies compatible controls when an error occurs. Self-monitoring capability ensures a higher level of performance over the life of the sensor.

Complied with New ANSI standard

Options

Mounting plate (Silver)



PP-S (2pcs)

Sensor head unit



SH-7MC : 7 m
SH-10MC : 10 m

Sensor head holder (Black/Gray)



OS-BH (2pcs)

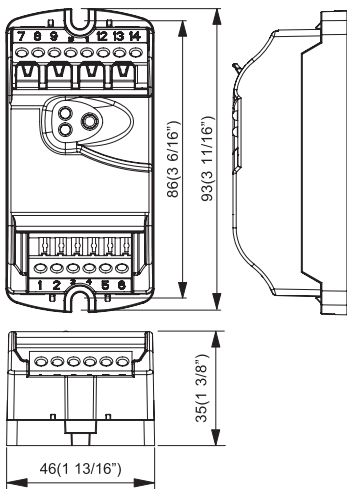
One push outer plate



PO-C (2pcs)

Dimensions

Amplifier



mm[inch]

Sensor heads

One push installation type

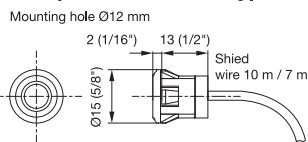
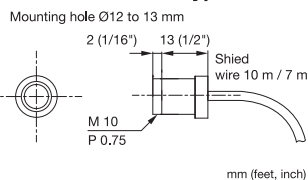


Plate installation type



mm (feet, inch)

Specifications

Model	OS-12C T																
Installation distance	Less than 10 m (32' 10")																
Detection method	Point to point near infrared light beam																
Power supply	12 to 24 V AC / 12 to 30 V DC																
Current draw	160 mA Max.																
Operating indicator	<table border="0"> <tr> <td></td> <td>BEAM1 /</td> <td>BEAM2</td> </tr> <tr> <td>Stand-by :</td> <td>Green ON /</td> <td>Red ON</td> </tr> <tr> <td>Detection Active :</td> <td>Green OFF /</td> <td>Red OFF</td> </tr> <tr> <td>Insufficient sensitivity :</td> <td>Green Blink /</td> <td>Red Blink</td> </tr> <tr> <td>Test input error :</td> <td colspan="2">Simultaneous twice Blinking(Red & Green)</td> </tr> </table>			BEAM1 /	BEAM2	Stand-by :	Green ON /	Red ON	Detection Active :	Green OFF /	Red OFF	Insufficient sensitivity :	Green Blink /	Red Blink	Test input error :	Simultaneous twice Blinking(Red & Green)	
	BEAM1 /	BEAM2															
Stand-by :	Green ON /	Red ON															
Detection Active :	Green OFF /	Red OFF															
Insufficient sensitivity :	Green Blink /	Red Blink															
Test input error :	Simultaneous twice Blinking(Red & Green)																
Test input	Opto coupler Voltage 5 to 30 V DC Current 6 mA Max.(30 V DC)																
Safety Output(Initial setting)	50 V 0.3 A (resistance load) - N.O./N.C. Switchable																
Response time	Approx. 0.1 sec. (from the moment of beam cut-off)																
Relay hold time	Approx. 0.5 sec.																
Operating temperature	-20 to +55°C (-4 to +131°F)																
Weight	Amplifier 63 g (2.2 oz)																
Component	1 Amplifier, 2 Mounting screws, 1 Manual (Optional sensor head is necessary for operation)																

Note : It is possible to use OS-12C T as an amplifier for 1 or 2 beam use by attaching a separately sold SensorHead.

Note : The specifications herein are subject to change without prior notice due to improvements.

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