

OA-EDGE T

Door Mounted Presence Sensor

for Automatic Swing Door Applications



The OPTEX OA-EDGE T Series door mounted presence sensor is based on OPTEX's Active Infrared Triangulation Technology. The sensor has a modular design, and can be assembled using primary modules with up to 3 secondary modules each depending on the required safety level and the width of the swing door. The sensor is available in four lengths, but can be cut to length by the installer if needed.

Features & Benefits

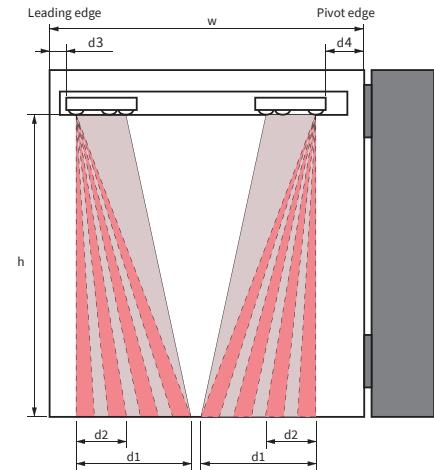
Primary & Secondary Modules

The sensor can be assembled using primary & secondary modules according to the required safety level and the width of the swing door. Verify that the configuration complies with the current ANSI A 156.10 standard.

Monitoring Capability

The OPTEX OA-EDGE T has built-in monitoring capability. The OA-EDGE 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.

Detection Area



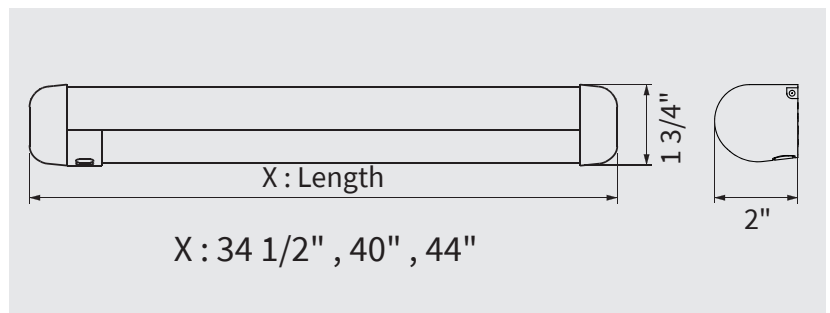
W = Door width
h = Mounting height
d1/ d2 = Detection area width
d3 = Distance from the leading edge to the sensor module
d4 = Distance from the pivot edge to the sensor module
n = Number of sensor modules

Specifications

Model*	OA-EDGE1 T, OA-EDGE2 T
Extrusion color	Black / Silver
Mounting height	4'11" to 9'10"
Detection method	Triangulation
Min. configuration	1 primary module + 1 LED module
Max. configuration	4 sensor modules + 2 LED modules
Depth angle adjustment	0° to +25°
Power supply	12 to 24 VAC $\pm 10\%$ (50/60 Hz) 12 to 30 VDC $\pm 10\%$
Power consumption	<1.3 W (<2 V A at AC) at min. config. <3.5 W (<4.5 V A at AC) at max. config.
Test input	Opto coupler 5 to 30 VDC Current / 6 mA max.
Safety / Test output 1**	Form C relay
Safety / Test output 2**	Voltage / 42 VDC Current / 0.3 A max. (resistance load) Output: see step 3 in install. manual
Output hold time	Approx. 0.5 sec.
Response time	<75m sec.
Operating temperature	-4°F to +131°F
Operating humidity	<80%
IP rate	IP54
Accessories:	Silver self-tap screw for extrusion x2; silver wood screw for extrusion x2; blk. small screw for endcap x4; blk. large screw for wire shroud cover x2; wire shroud; wire shroud cover; power supply cable; communication cable (see matrix at right); manual
* OA-EDGE1 T has 1 sensor module (Master only). OA-EDGE2 T has 2 sensor modules (Primary & Secondary).	
** There are two types of output (Reactivate and Stall)	

W				36"		42"		3'11"	
h	d1	d2	d3	n	d4	n	d4	n	d4
5'11"	1'7"	11"	4"	2	4"	2	6"	2	9"
6'3"	1'8"	11 7/16"							
6'7"	1'9"	11 13/16"							
6'11"	1'10"	12 3/16"							
7'3"	1'10"	12 5/8"							
7'7"	1'11"	13"							
7'10"	1'12"	13 3/8"							
8'2"	2'1"	13 3/4"							

Dimensions



Model	Sensor length	Cable length			
		4"	10"	19"	35"
OA-EDGE1 T	34.5"	-	1 pc.	-	-
	40"	-	1 pc.	-	1 pc.
	44"	-	1 pc.	1 pc.	1 pc.
OA-EDGE2 T	34.5"	1 pc.	1 pc.	1 pc.	-
	40"	1 pc.	1 pc.	1 pc.	-
	44"	1 pc.	1 pc.	1 pc.	-

