



Door mounted presence sensor

Automatic swinging doors

Description

This series of door mounted presence sensors is based on the active infrared triangulations technology. Due to the modular design, you can upgrade the safety level of the sensor by adding additional modules.

Features & benefits

- **Primary & secondary modules.** The sensor can be assembled using primary and secondary modules according to the required safety level and the width of the swing door. For a standard configuration of two (2) sensors installed on a door with a width of 36" (900 mm), only one primary module is required. A maximum of 3 secondary modules can be connected to this primary module.
- **Monitoring capability.** With their built-in monitoring capability, these sensors monitor all critical functions and notify compatible controls when an error occurs. Self-monitoring ensures a higher level of performance over the life of the sensor.

Technical specifications

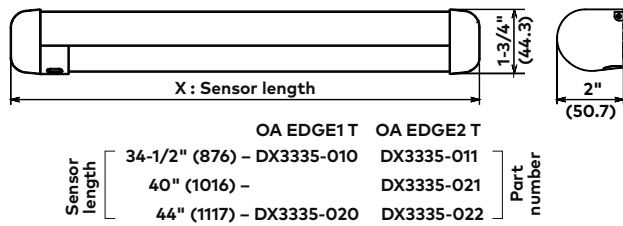
Model	OA-EDGE1 T / OA-EDGE2 T ¹	
Profile color	Black / Silver	
Mounting height	4' 11" (1.5 m) to 9' 10" (3.0 m)	
Detection method	Triangulation	
Min. configuration	1 primary module + 1 LED module	
Max. configuration	4 sensor modules + 2 LED modules	
Depth angle adjustment	0° to +25°	
Power supply	12 to 24 VAC ±10% (50 / 60 Hz) 12 to 30 VDC ±10%	
Power consumption	<1.3 W (<2 V A at AC) at min. configuration <3.5 W (<4.5 V A at AC) at max. configuration	
Output ²	Form C relay Voltage / 42 VDC Current / 0.3 mA max. (resistance load)	
Output hold time	Approx. 0.5 sec.	
Response time	<75 m sec.	
Operating temperature	-4°F to 131°F (-20°C to +55°C)	
Operating humidity	<80%	
IP rate	IP54	
Sensor length	13-1/8" (332.7 mm) 40" (1016 mm)	14-1/2" (368.3 mm) 44" (1117.6 mm)

¹ OA-EDGE1 has 1 sensor module (primary only).
OA-EDGE2 has 2 sensor modules (primary & secondary).

² There are two types of output: Reactivate & Stall

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Profile color	Black / Silver	
Mounting height	4' 11" (1.5 m) to 9' 10" (3.0 m)	
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 1	12 to 24 VAC ±10% (50 / 60 Hz) 12 to 30 VDC ±10%	
Power consumption	<1.3 W (<2 V A at AC) at min. configuration <3.5 W (<4.5 V A at AC) at max. configuration	
Test input	Opto coupler 10 to 30 VDC Current / 6 mA max.	
Safety / Test output 1 ²	Form C relay	
Safety / Test output 2 ²	Voltage / 42 VDC Current / 0.3 mA max. (resistance load)	
Output hold time	Approx. 0.5 sec.	
Response time	<75 m sec.	
Operating temperature	-4°F to 131°F (-20°C to +55°C)	
Operating humidity	<80%	
IP rate	IP54	
Noise level	<70dBA	
Category	2 (EN ISO13849-1 : 2008)	
Performance level	d (EN ISO13849-1 : 2008)	
Dimensions	Various x 1-3/4" (44 mm) x 2" (51 mm) (w x h x d)	
Sensor length	13-3/8" (340 mm) 35-7/16" (900 mm) 47-1/4" (1200 mm)	27-9/16" (700 mm) 43-5/16" (1100 mm)

DX3335-00x dimensional drawing



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