



Door Mounted Sensor (DMS)

Automatic swinging doors

Description

A door mounted, active infrared safety sensor designed for use on automatic swinging, revolving, folding, and low energy doors.

Uses triangulation to detect the presence of a pedestrian while the door is opening and closing.

Can be used as an individual module or daisy-chained with additional slave modules. This flexibility allows it to be used on both narrow and wide doors. Each module detection zone can be adjusted independently.

Features & benefits

- Housing available up to 102" in length; can be field cut to desired door width.
- Capable of meeting ANSI 156.10 standard for swing door safety when coupled with the DX3336-011 Overhead presence sensor.
- Designed to mount at the top of the door to reduce accidental damage.
- Can be set to background analysis mode to reduce the chance of false detection from faulty environmental situations.
- Capable of external monitoring.

Technical specifications

Technology	Active Infrared with background suppression
Detection mode	Presence
Measurement of distance	Triangulation
Power supply	12 – 24 VAC ±10% / 12 – 24 VDC ±10%
Detection range	0" – 96" (0' – 8')
Max. mounting height	96" (8')
Detection signal duration	Infinite presence detection
Detection time	< 50 ms
Input inhibit	12 – 24 VAC ±10% / 12 – 24 VDC ±10% / Inhibited when voltage is applied
SMR input data	12 – 18 VDC, Inhibited when voltage is applied
Output interface / relay	
Maximum contact rating	1 A @ 30 V (resistive)
Hold time	0.1 s – 4.5 s
LED indications	
Primary sensor	Red LED = Detection Green LED = Active output
Secondary sensor	Red LED = Detection
Operating temperature range	-30 °F – 140 °F

PCB dimensions

Master	10.91" (W) × 1.5" (H)
Slave	8.75" (W) × 1.5" (H)

Connection (door controller)	8-position screw terminal on Master PCB
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Connection (master to slave)	Flat ribbon cable with connectors and key lock
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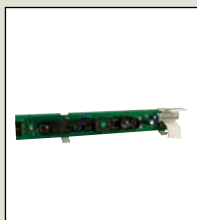
Max. number of slaves	Standard = 9 With monitoring = 8
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Functions selection	Detection mode – NO or NC Normal mode or background analysis mode
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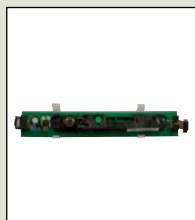
Model options

Part number	Description
DX3336-57	1 Master 34.5" (end cap to end cap)
DX3336-58	1 Master 42" (end cap to end cap)
DX3336-14	1 Master 1 Slave 34.5" (end cap to end cap)
DX3336-59	1 Master 1 Slave 40" (end cap to end cap)
DX3336-60	1 Master 1 Slave 44" (end cap to end cap)

Related products



DX3336-030
PRIMARY SENSOR

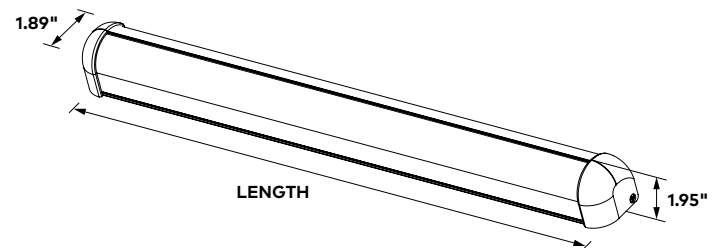


DX3336-031
SECONDARY SENSOR



DX3336-032
QUICK DISCONNECT HARNESS

DX3336-030 dimensional drawing



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