

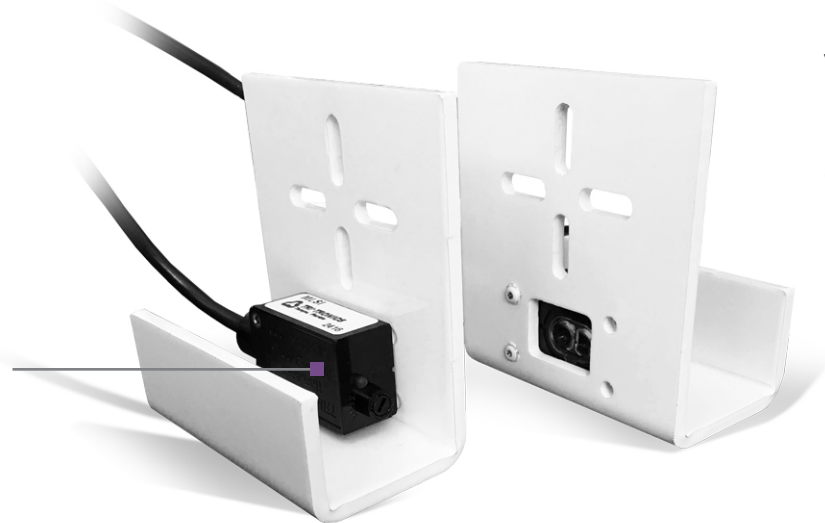
PARTITION SENSOR

| PARTITION-SENSOR

Uses visible and infrared light sources for high reliability

Flexible and easy mounting and wiring.
Power supply included

LED photoelectric switch for controlling partitioned spaces



Range between transmitter and receiver is 65' (20m) for mounting versatility

Use with the Divide and Combine widget built into Equinox touchscreens and Design Center software

Description

The Wattstopper PARTITION-SENSOR uses an infrared transmitter/receiver pair to detect partition opening and closing and, in conjunction with other Architectural Dimming products, coordinates lighting and shade preset functions in areas such as partitioned meeting rooms or ballrooms. When used with the unique partitioning programming features of Design Center and the divide and combine widget on the Equinox touchscreens, the PARTITION-SENSOR allows for automation of partitioned spaces and visual indication of room lighting and shade status.

Highlights

The PARTITION-SENSOR is an easy to install and program solution for any movable wall application. It is a small, unobtrusive, solution for any divide and combine application and is highly adjustable for many different wall configurations.

Operation

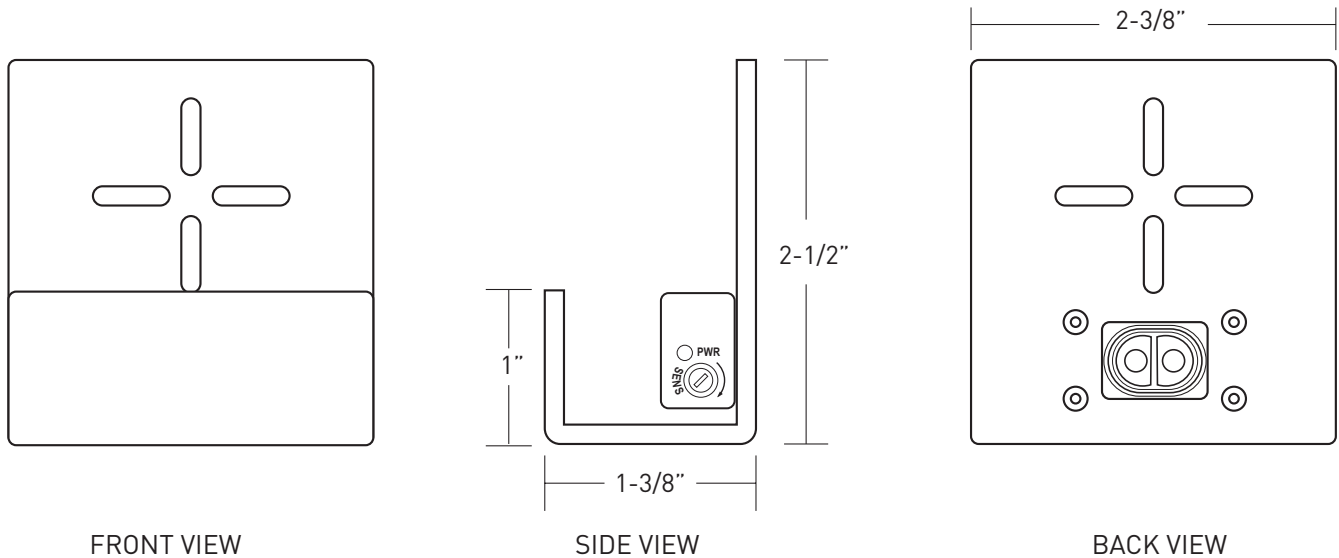
The PARTITION-SENSOR is designed with a metal bracket that allows for mounting, as opposing sensors (transmitter and receiver), on either side of the partition using the wall, ceiling, or flange. Each transmitter/receiver kit comes with its own power pack that is designed for junction box mounting. The sensor open collector output can signal the system in a number of ways – through keypad inputs, a local LVOS input, or a contact input station. Once the sensor signal reaches the controller, any number of programmable presets can implement to control lighting and shades in the space. Using programming variables the presets can perform different functions depending on time of day or other variables.

Applications

Use the PARTITION-SENSOR to signal the status of partitions in spaces with movable walls. The wide distance ranges and immunity to light interference makes this sensor a reliable solution for nearly any type or brand of movable wall. Applications include ballrooms, meeting rooms, restaurants, auditoriums, flexible classroom spaces, and nearly any space that has divide and combine functionality. Does not require drilling into movable wall like magnetic sensors. More reliable with no moving parts.

PROJECT		LOCATION/ TYPE	
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Multi-View Line Drawing



FRONT VIEW

SIDE VIEW

BACK VIEW

Features

- Provides a signal to the system controller indicating a partition wall is open or closed
- Using that signal the system Automatically engages lighting or shade preset functions
- When partition is open or closed creating a divided or combined space
- Long sensing distance of up to 65ft allows for flexible mounting options
- High immunity to most ambient light or even strobing light sources
- Multiple sensing modes for flexible set-up options
- Adjustable sensitivity of both sensor and receiver for easy fine-tuning of the sensor system

Specifications

- Supply Voltage: 10-30 VDC (Polarity protected)
- Current Requirements: Sink up to 100mA
- Response Time: 1,100us, Thru-beam
- Light Source: Pulse modulated LED
Infrared= (880nm)
- Range: 65' (20m)
- Hysteresis: 20% of signal
- Light Immunity: High immunity to most ambient light including strobes
- Sensing Modes: Proximity, opposed, retro-reflective
- Sensitivity: Adjustable sensitivity for sensor and light source
- Diagnostic Indicators: Red LED = Output Status;
Green LED = Power "ON"
- Ambient Temperature: -40° F to 158° F [-40° C to 70° C]
- Housing Material: High-impact polycarbonate
- Waterproof Rating: NEMA 4X, IP66
- Certifications: UL, CUL, CE, ROHS

Ordering Information

Catalog #	Description	Misc.
<input type="checkbox"/> PARTITION-SENSOR	Partition Sensor Pair	

Installation and Wiring

