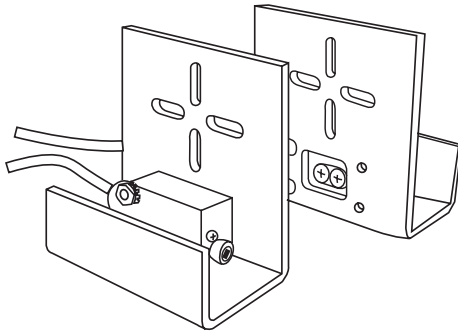


## PARTITION-SENSOR

Country of Origin: Made in China

### OVERVIEW



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.

### FEATURES AND OPERATION OVERVIEW

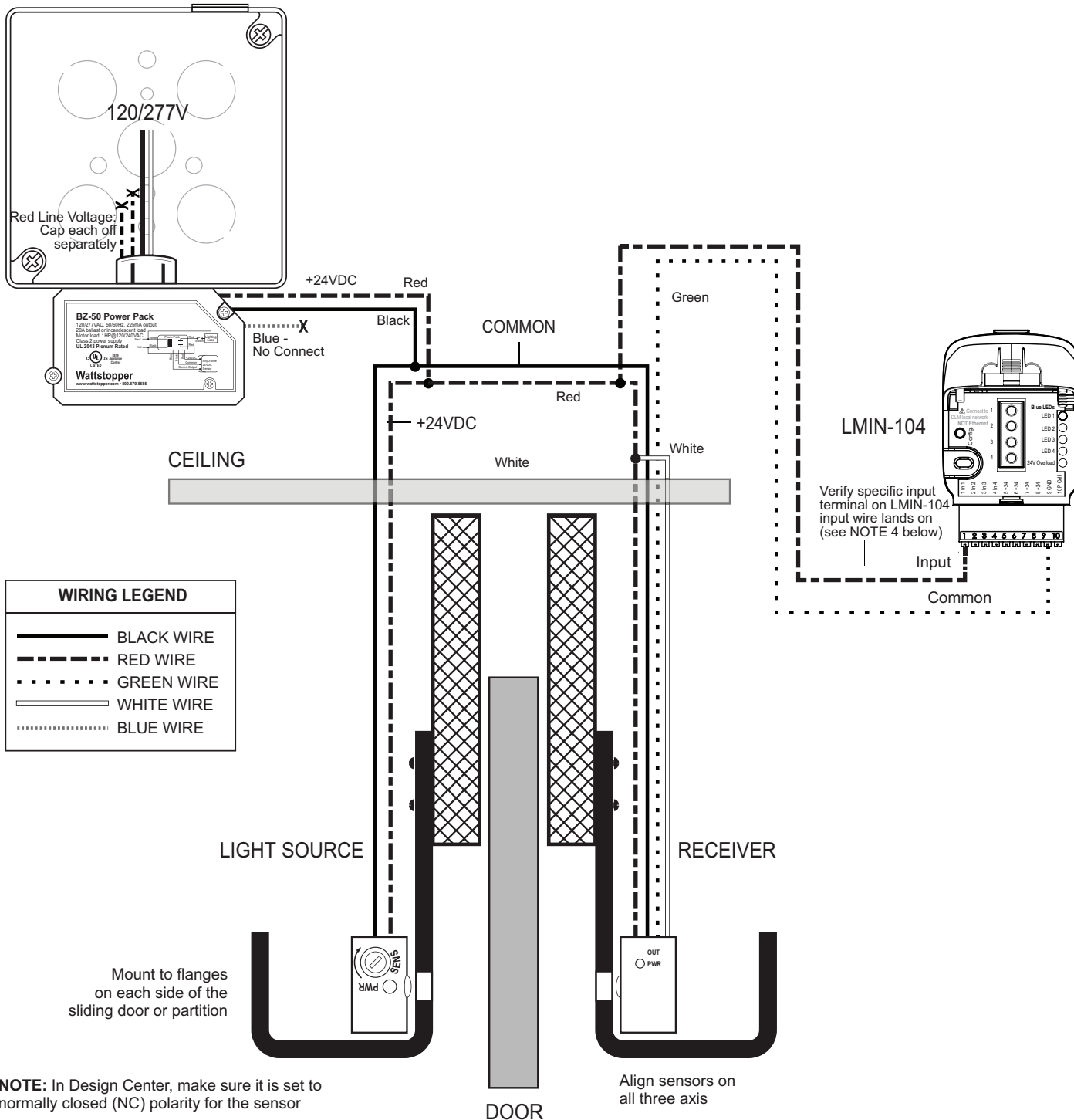
- Excess gain (sensitivity) controlled by a screwdriver adjustment to prevent tampering
- Fixed optics
- Immune to most indirect ambient light and direct strobes
- Waterproof and enclosed in high impact plastic housing
- High speed (1100  $\mu$ s Thru-Beam)
- Potted 6' cable
- Power supply requirements: 10 to 30 VDC **Note:** PARTITION-SENSOR ships with a BZ-50 Power Pack

### SPECIFICATIONS

Description	Specification
Supply Voltage	10- 30 VDC; 5 volt models: 4.5 to 5.5 VDC, polarity protected
Current Requirements	Sinks up to 100mA
Response Time	Light State response = 600 $\mu$ s (1,100 $\mu$ s Thru-Beam) Dark State response = 600 $\mu$ s (1,100 $\mu$ s Thru-Beam)
LED Light Source	Infrared = 880nm, Pulse-modulated LED
Excessive Gain Adjustment	Sensitivity controlled by a screwdriver adjustment to prevent tampering
Range	65' (20m)
Hysteresis	Approximately 20% of signal
Light Immunity	High immunity to most ambient light
Diagnostic Indicators	Red LED = Output Status, Green LED = Power "ON"
Ambient Temperature	-40°F to 158°F (-40° to 70°C)
Rugged Construction	Chemical resistant, high impact polycarbonate house Waterproof ratings: NEMA 4X, IP66

# PARTITION SENSOR WIRING DIAGRAM FOR THE DLM SYSTEM

## JUNCTION BOX



### PARTITION SENSOR WITH THE DLM SYSTEM

LMIN-104

Control Relay Terminal A	Control Relay Terminal B
Partition Input - 1, 2, 3, 4	Common - 9

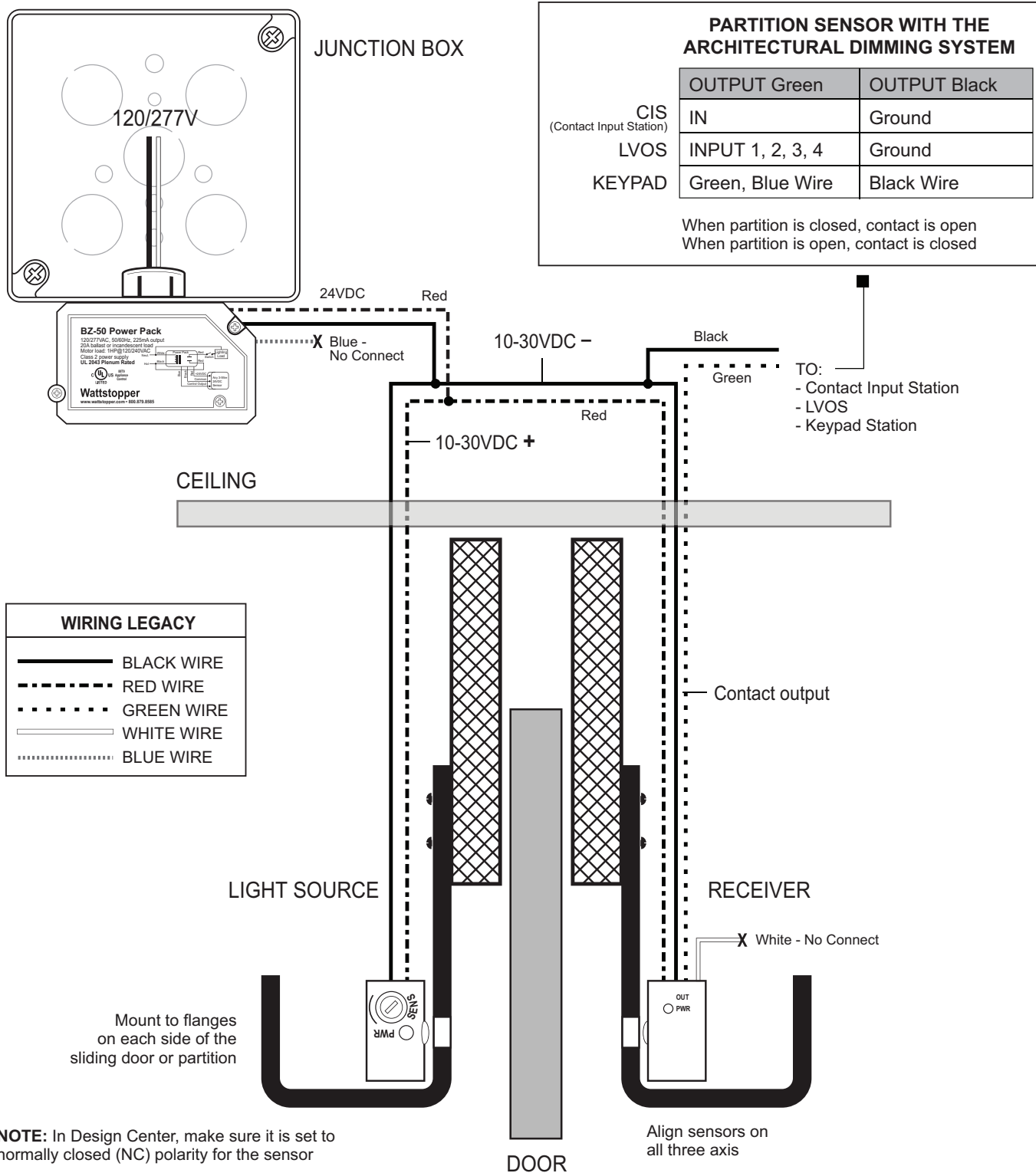
**NOTE 1:** The PARTITION-SENSOR ships with 1 BZ-50 powerpack included.

**NOTE 2:** A maximum of 4 movable walls and 1 LMIN-104 may be used for partitioning in a room.

**NOTE 3:** LMIN must be set so "Operating Mode" is Partition. In this mode, all four inputs are dedicated to partition detection and LMIN cannot be used with any other inputs

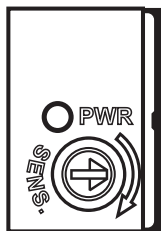
**NOTE 4:** Wall 1 = Input 1 • Wall 2 = Input 2 • Wall 3 = Input 3 • Wall 4 = Input 4

# PARTITION SENSOR WIRING DIAGRAM FOR THE ARCHITECTURAL DIMMING SYSTEM

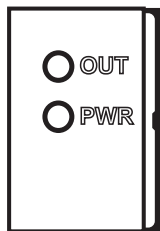


## SENSOR ADJUSTMENT PROCEDURES

### LIGHT SOURCE

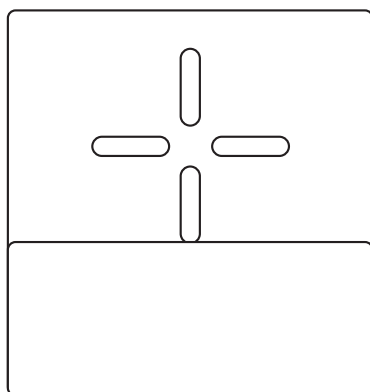


### RECEIVER

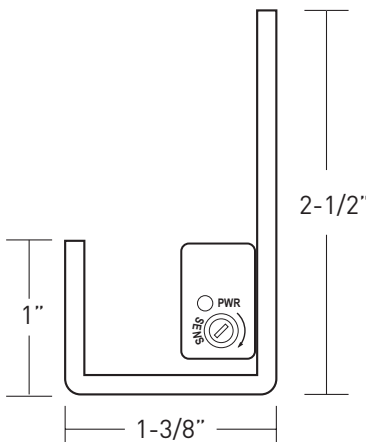


- Step 1:** Point the light beam emitted by the light source away from the receiver
- Step 2:** Turn the light source sensitivity adjustment fully clockwise (CW) to its maximum setting
- Step 3:** Monitor the output LED indicator on the receiver while moving the light beam emitted from the light source in a scanning motion, first from left to right and then up and down. Use this technique to locate the mounting position that will ensure the best possible beam alignment with the receiver.
- Step 4:** When acceptable beam alignment has been achieved, turn the sensitivity adjustment fully counter clockwise (CCW)
- Step 5:** Turn the sensitivity adjustment clockwise (CW) 1/4 turn past the point the output LED indicator toggles to the opposite state

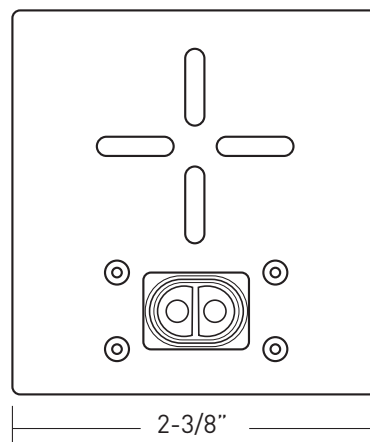
## MULTI-VIEW LINE DRAWING



**FRONT VIEW**



**SIDE VIEW**



**BACK VIEW**

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