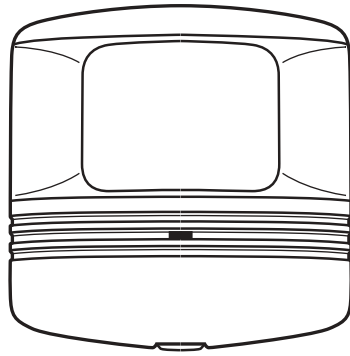


CATALOG NUMBER	TYPE

# Passive Infrared Occupancy Sensor CX-100



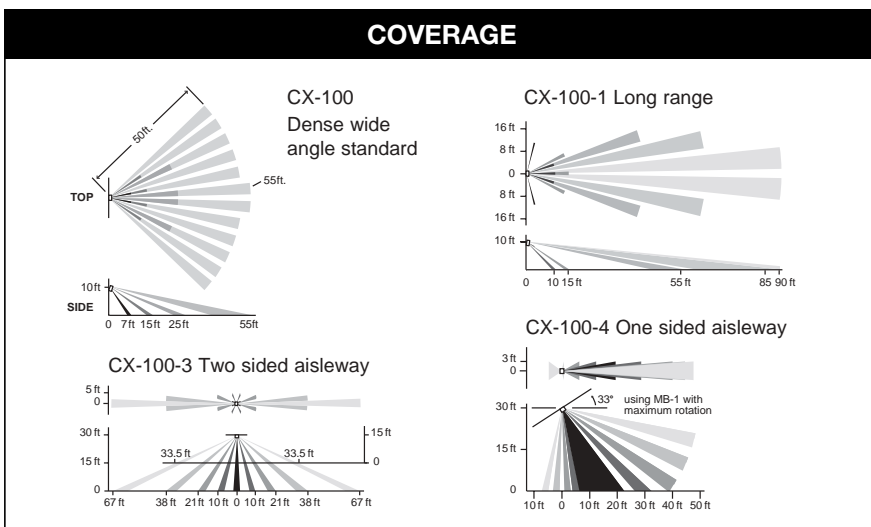
**Sensor:** The CX-100 Series operates by turning on lighting when they detect the difference between infrared energy from a human body in motion and the background space providing optimal use of lighting systems and resulting in energy savings. Dual-element, temperature compensated pyroelectric sensor. ASIC technology reduces components and enhances reliability. Pulse count processing eliminates false offs without reducing sensitivity. Detection Signature Analysis eliminates false triggers; provides immunity to RFI and EMI. CX-100 contains isolated relay with N/O and N/C outputs; rated for 1 amp at 24 VDC. 19mA. Digital time delay adjustable from 15 seconds to 30 minutes with  $\pm 2\%$  tolerance. Red LED indicates occupancy detection.

**Optics:** Multi-level Fresnel lens for superior desktop occupancy detection. Four different lens patterns are available for wide angle lens, one sided aislaways, two sided aislaways or long range one sided aislaways.

**Power Supply:** The Power Supply is housed in an ABS, UL-rated 94V-0 plastic enclosure. The Power Supply transformer has a primary high voltage input and a secondary 24VDC, 150mA output. The secondary voltage provides operating power to sensors and controls. Low voltage leads are rated for 300 volts and Teflon coated for use in plenum applications.

**Mounting:** A swivel mounting bracket, standard with CX-Series Sensors, allows the sensor to be angled for wall, ceiling or corner mounting. Grooves on the bracket help to achieve desired angle for coverage. Two optional mounting brackets are available for mounting to acrylic or aluminum optics and for sensor use in industrial applications like warehouses. The Power Supply is equipped with a 1/2 inch snap-in nipple, which attaches to standard electrical enclosures through 1/2 inch knockouts. UL Listed.

**Warranty:** Guaranteed against manufacturing defect for a period of three (3) years. The guarantee is limited to replacement by the Company, and the guarantee does not cover labor charges, which shall be paid by the Customer.



### DIMENSIONS

	Fixture Height	Fixture Width	Fixture Depth
<b>CX-100 Series</b>	3.3"	3.3"	2.1"
<b>Power Supply</b>	1.6"	2.75"	1.6"

### ORDERING INFORMATION

Description	Catalog Numbers
Wide Angle Lens – up to 2000 sq. ft	<b>CX-100</b>
Long Range Lens – up to 90 linear ft	<b>CX-100-1</b>
One-sided Aisleway Lens – up to 200 linear ft	<b>CX-100-4</b>
Two-sided Aisleway Lens – up to 50 linear ft	<b>CX-100-3</b>
<b>Accessories (Field Installed): Order Separately</b>	
Mounting Brackets	
Control Mounting Bracket for ceilings or fixtures	<b>MB1</b>
Control Mounting Bracket for acrylic & aluminum optics	<b>MB2</b>
Power Supply – Provides 24VDC operating voltage to CX Series	
120/220V	<b>B-120E-P</b>
240/277V	<b>B-277E-P</b>

