



NT-OSC

NT-OSW

**Occupancy Sensor for Net/X™
Thermostats**

**NT-OSC for Ceiling Mount
NT-OSW for Wall or Corner Mount**

GENERAL DESCRIPTION:

The NT-OSC and NT-OSW are occupancy sensors designed for automatic occupancy control of your HVAC system. They can be wall, corner or ceiling mounted to provide the best detection area for each application. The sensors provides an occupied / unoccupied signal to all Net/X™ Thermostats with CLK1/CLK2 terminals. A 4-wire cable (thermostat cable or CAT5) is all that's needed for connection.

The NT-OSC and NT-OSW occupancy sensors are perfect for partial use rooms and areas in just about any facility. In office spaces, schools, worship facilities, and portable buildings, the adjustable 'Verify Occupancy' setting allows random in & out occupancy and cleaning personnel to come into the area for a short period of time without the sensors triggering the HVAC unit back into 'occupied' mode. The sensors are designed to be used with the 'commercial keypad lockout' feature of the Net/X™ thermostats.

STANDARD FEATURES:

- Connects to any Net/X thermostat with the CLK1/CLK2 terminals
- No addressing needed; automatically recognized by the Net/X thermostat
- 24VAC Power supplied by the Net/X thermostat remote sensor bus
- Only one (1) CAT5 cable or 4-wire thermostat cable needed for installation
- Adjustable 'Verify Occupancy' times of 0 sec, 10 sec, 30 sec, 1 min, 5 min, and 10 min
- Adjustable 'Minimum Occupied' times of 10 sec, 1 min, 5 min, 10 min, 20 min and 30 min

SPECIFICATIONS:

NT-OSC Ceiling Mount Occupancy Sensor

Rated Voltage: 24VAC, +/- 2VAC
 Infrared Sensor: Dual Element
 Mounting Height: 7.9 to 13.7 ft (2.4 to 4.2m)
 Operating Temperature: -4°F to 140°F (-20°C to 60°C)
 Dimension: 4.3in (110mm) Dia x 1.75in (44mm) Height

Relay Rated Output: 0.2A / 30VDC
 Detection Range: Height x 2.5 at 77°F
 RF Immunity: Avg 20V/m (10M~1GHz)
 Humidity: 95% RH max

NT-OSW Wall & Corner Mount Occupancy Sensor

Rated Voltage: 24VAC, +/- 2VAC
 Infrared Sensor: Dual Element
 Mounting Height: 6 to 12 ft (1.8 to 3.6m)
 Operating Temperature: -4°F to 140°F (-20°C to 60°C)
 Dimension: 4.4in (112mm) x 2.6in (66mm) x 1.8in (45mm)

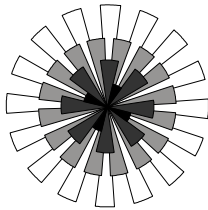
Relay Rated Output: 0.2A / 30VDC
 Detection Range: 50ft (15m) at 77°F (25°C)
 RF Immunity: Avg 20V/m (10M~1GHz)
 Humidity: 95% RH max

WIRING DIAGRAMS:

DETECTION PATTERN

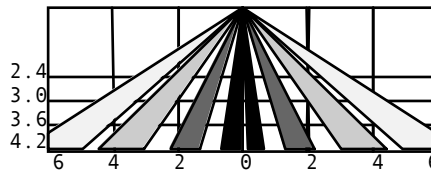
NT-OSC

Top View



360°

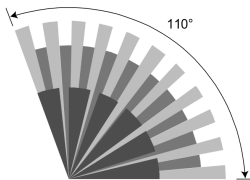
Side View



Mount Height	7.9ft (2.4m)	9.8ft (3.0m)	11.8ft (3.6m)	13.7ft
Coverage (Dia.)	19.7ft (6.0m)	24.6ft (7.5m)	29.5ft (9.0m)	34.5ft

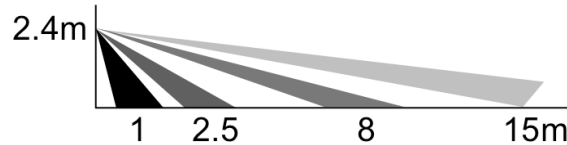
NT-OSW

Top View



110°

Side View



Mount Height	7.9ft (2.4m)
Range	50ft (15m)

NT-OSC or NT-OSW
Occupancy Sensor

