

WORxDG1-BPR-N – Ceiling Occ/Vac Sensor w/Daylighting
(DualTech, Network)



Project Name: _____
Part Numbers: _____ Date: _____

Features

- Dual-Technology (ADI-Voice® & PIR)
- Photocell for Daylight Harvesting
- Low Profile
- Tilting Lens
- 2-Wire Dialog for Data and Power
- Programmable via Bluetooth with a mobile App



ASHRE 90.1 Compliant

The Dual Technology (ADI-voice and Passive Infrared) Occupancy or Vacancy Ceiling Sensors for Dialog® based systems provide the lowest profile ceiling sensors with 360° of coverage to operate your lights on occupancy triggers. A tilting lens helps direct the sensor to or away from specific areas and the sensor includes an auxiliary relay for control of HVAC or BAS systems. Plug 'N Control ready, the sensor connects to the Dialog Room Controller and Dialog system via our simple 2-wire, nonpolarized low voltage (18/2 AWG) data/power bus, minimizing commissioning time.

The timer adjustment can be set for delays from 5 seconds to 60 minutes. In addition, this sensor introduces into the market a Prolong state allowing for a two-stage timer. (I.e. dim the lights to 20% for 10 minutes before turning OFF, upon no occupancy activity detection.)

In addition, the device includes a daylight sensor for dual usage application, reducing the duplication of ceiling devices.

Typical Applications: Occupancy Sensor controlled areas for Occupancy, Vacancy, Partial ON, and Partial OFF.

PART NUMBER	DESCRIPTION
WORSDG1-BPR-N	Ceiling Occupancy Sensor w/Daylighting, Standard Lens with AUX relay & Photo (DualTech, Network)
WORxDG1-BPR-N	Ceiling Occupancy Sensor w/Daylighting, Extended Lens with AUX relay & Photo (DualTech, Network)
WORBDG1-BPR-N	Ceiling Occupancy Sensor w/Daylighting, Highbay Lens with AUX relay & Photo (DualTech, Network)
WVRSDG1-BPR-N	Ceiling Vacancy Sensor w/Daylighting, Standard Lens with AUX relay & Photo (DualTech, Network)
WVRxDG1-BPR-N	Ceiling Vacancy Sensor w/Daylighting, Extended Lens with AUX relay & Photo (DualTech, Network)
WVRBDG1-BPR-N	Ceiling Vacancy Sensor w/Daylighting, Highbay Lens with AUX relay & Photo (DualTech, Network)

Installation



*Patent Pending

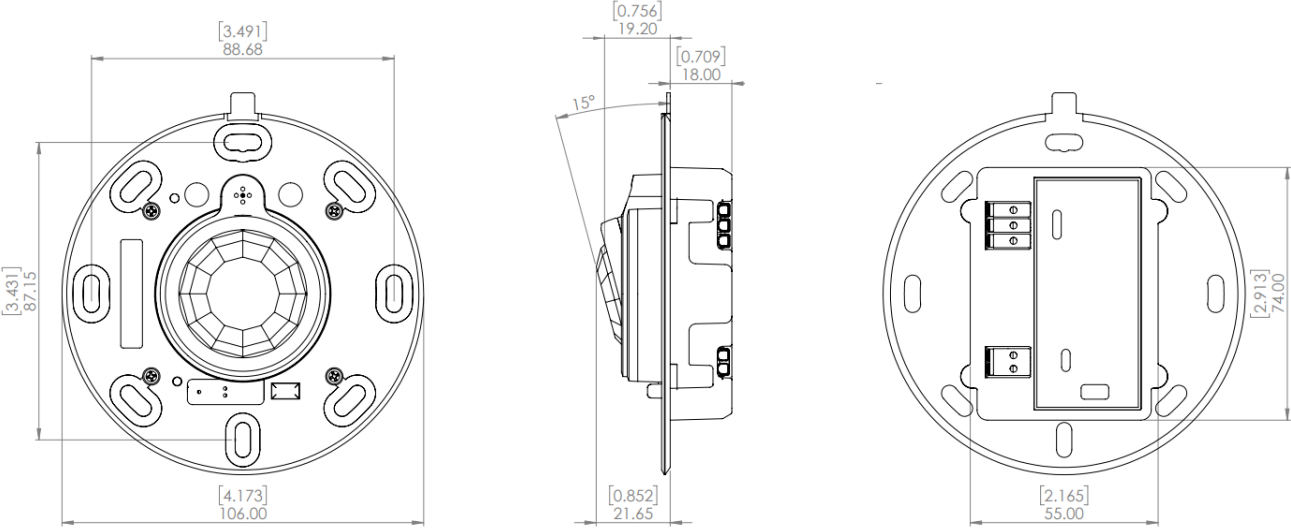
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Douglas Lighting Controls

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Dimensions

mm [inches]



Mobile Device Configuration App

The 4000 Series switch stations allow for programming via Apple iOS or Android. The app will search the local area and list the connectable devices. With a network key, all settings are secured from tampering.

Dialog® 4000 Programmer



Apple iOS



Android

Technical Details

FUNCTIONALITY	<ul style="list-style-type: none"> • Occupancy (Auto ON / Auto OFF) • Vacancy (Manual ON / Auto OFF) • Partial OFF (Auto ON / Dimmed State OFF) • Partial ON (Dimmed State ON, Auto OFF) • Optional Prolong State • Daylight Harvesting for Dialog® based systems • Programmed via iOS devices (iOS 11 and above) & Android (10 and above) • Download "Dialog® 4000 Programmer" from the Apple App store or Android Play Store to configure
CURRENT DRAW	<ul style="list-style-type: none"> • 10 mA
POWER	<ul style="list-style-type: none"> • Dialog Dataline (10mA @ 24VAC) up to 12 units per WRC-42xx, up to 400mA total on a WLC-4150
APPROVALS	<ul style="list-style-type: none"> • ASHRAE 90.1 2019 Compliant • California Energy Commission Title 24 & NYLL 48 Compliant • FCC Compliant
ENVIRONMENT	<ul style="list-style-type: none"> • Indoor, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity • Operating temperature: 32°F to 104°F (0°C to 40°C) • Storage temperature: 14° to 140°F (-25° to 60°C)
WARRANTY	<ul style="list-style-type: none"> • Standard 5-years

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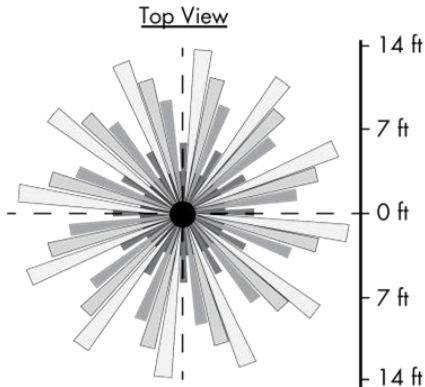
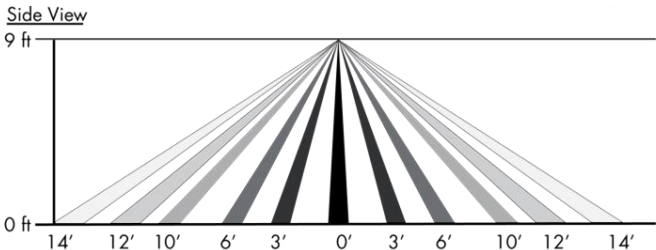
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INSTALLATION

- Locate the sensor near the entrance door wall to prevent it from viewing out into the hallway.
- The lens can rotate, allowing the sensor to be pointed toward the area in front of the entrance door.
- Positioning the sensor in this manner ensures that an occupant moves across the longest detection beam upon entrance, utilizing the sensor's maximum PIR range.
- Installation location shall not be within 4 feet of an air duct

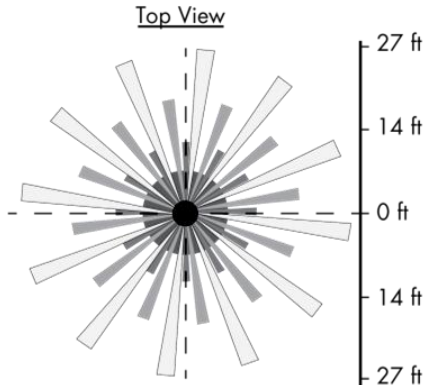
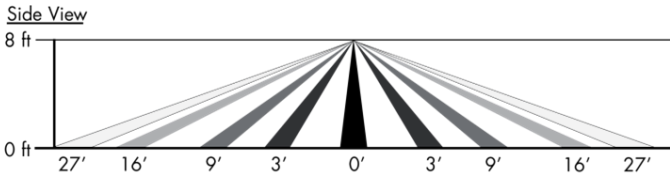
Standard Lens (S)

- Optimal usage is to detect small motions such as hand movements
- Designed for a mounting height of 7-15ft
- ADI-Voice can detect around corners that PIR cannot to maintain occupancy



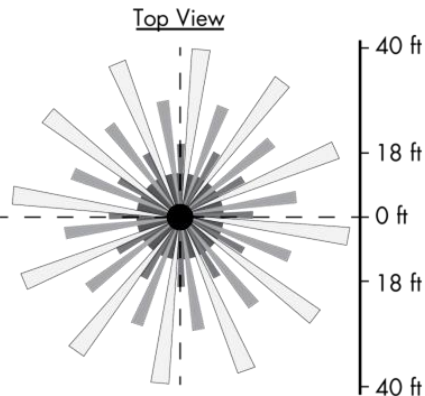
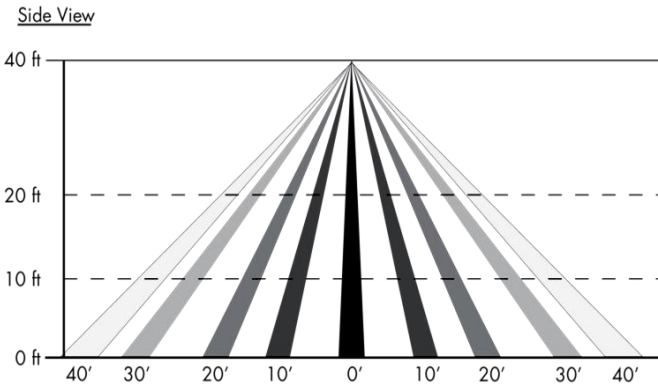
Extended Lens (X)

- Optimal usage is to detect large motions such as walking
- Designed for a mounting height of 7-15ft
- ADI-Voice can detect around corners that PIR cannot to maintain occupancy



Hi - Bay Lens (B)

- Optimal usage is to detect large motions such as walking
- Designed for a mounting height of up to 40ft.
- PIR Only



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