



Project name:		Type
Catalog number:		
Location:		
Date:		
Comments:		

WAVE-DT-120/277-N

ORDERING INFORMATION

Product Code	Description	Color	Part Number
WAVE-DT-120/277-N	WAVE Dual Tech PIR/Ultrasonic Wall Switch Vacancy Sensor, Indoor, 120/277VAC, Neutral Required	White	97338



TOP FEATURES

- Line voltage Dual Tech PIR/Ultrasonic wall switch vacancy sensor with 180°/1200 (PIR) 400 (U) square foot max detection coverage
- Integral photocell for daylight sensing
- Meets energy codes that require manual-on operation that cannot be defeated
- Dual voltage 120/277VAC
- Decorative-style wallplate included

DESCRIPTION

The WAVE-DT delivers a superior 180-degree field of view and a maximum of 1,200 square feet PIR and 400 square feet Ultrasonic motion detection coverage. The combination of passive Infrared (PIR) and Ultrasonic motion detection, photocell, and manual-on/ vacancy operation that cannot be defeated optimizes energy savings, and meets today's stringent energy codes. The two technologies work together to eliminate false off's where line of site PIR can't view or ultrasonic technology alone in a wall switch sensor might miss.

The WAVE-DT provides single-pole, single-phase circuit control at 120 or 277 VAC. Mechanical adjustments can be made for range, time-out, and daylight level threshold. The WAVE-DT mounts in a standard wall box, and a decorative-style cover plate and installation hardware is included. White finish.

OPERATION

The WAVE-DT detects both motion and the ambient light level and then automates the lights according to the parameters set by the building management. Using the factory settings, the integrated light sensor constantly measures the ambient light. If the light level is below the set threshold, the lights will switch on if the button is pressed. If the ambient light level is above the set threshold, the lights will not be allowed to come on if the button is pressed. If no motion is detected for the duration of the follow-up time, at the end the lights will turn off. A manual press of the button is always required to turn the lights on.

Please refer to the installation instruction/manual for a detailed description of functions and operation.

APPLICATIONS

- **Indoor applications:**
 - Private Offices
 - Small Conference Rooms
 - Break Rooms and Copy Rooms
 - Toilets
 - Custodial and Storage Closets
 - School/University Classrooms
 - Hotel Meeting Rooms
 - Healthcare and Laboratory Spaces

PRODUCT INFORMATION

- Designed for indoor use in dry locations
- Line voltage Dual Tech PIR/Ultrasonic wall switch vacancy sensor with 180°/1200 square foot (PIR) and 400 square foot (Ultrasonic) max detection coverage
- Integral photocell keeps the lights off in high ambient conditions
- Single circuit switching (single pole, single phase). Neutral connection required
- Manual-on mode only that cannot be defeated to satisfy energy codes
- Mechanical adjustment for range, follow-up time, and switch-on threshold
- LED indicators for operation feedback
- Includes decorative-style wall plate, mounting screws, and wire nuts
- ROHS and REACH compliant
- 5 years limited warranty

TECHNICAL DETAILS

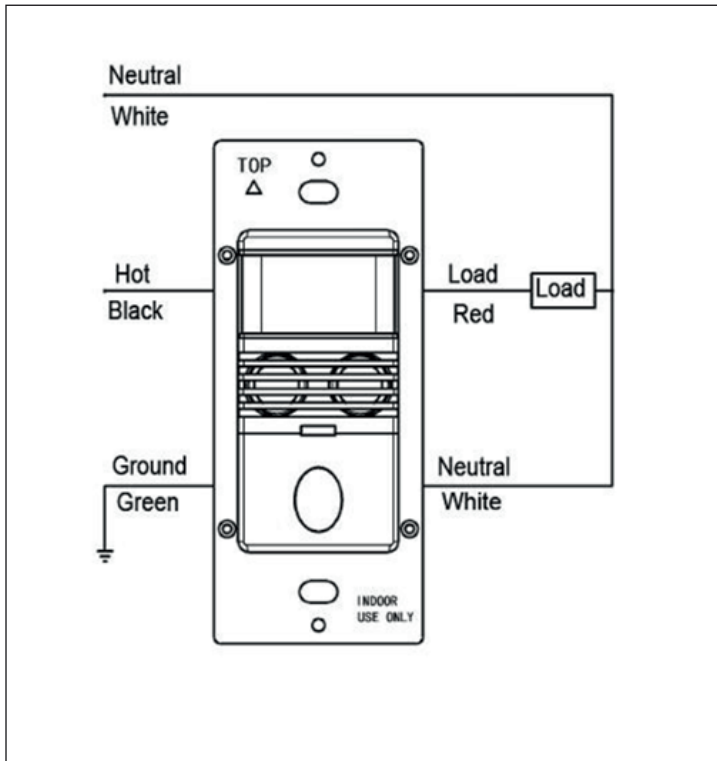
Sensor Type:	PIR / Ultrasonic, vacancy
Operating Voltage:	120/277VAC, 50/60Hz
Max Load (Resistive):	800W
Max Load (Fluorescent):	800VA @ 120VAC / 1600VA @ 277VAC
Min Load:	None
Max Load (Motor):	1/4 Hp motor
Max Sensor Range:	40 ft / 1200 ft ²
Ultrasonic Sensor Range:	20 ft / 320 ft ²
Follow-up time:	15 sec to 30 min
Switch-on threshold:	30 Lux to daylight
Operating Temperature :	32 F to +131 F / 0 °C to +55 °C

Storage Temperature:	14 F to 140 F/ -10° to 60°C
Relative Humidity:	95% non-condensing
Mounting:	Standard wall box
Certifications:	UL/cUL listed

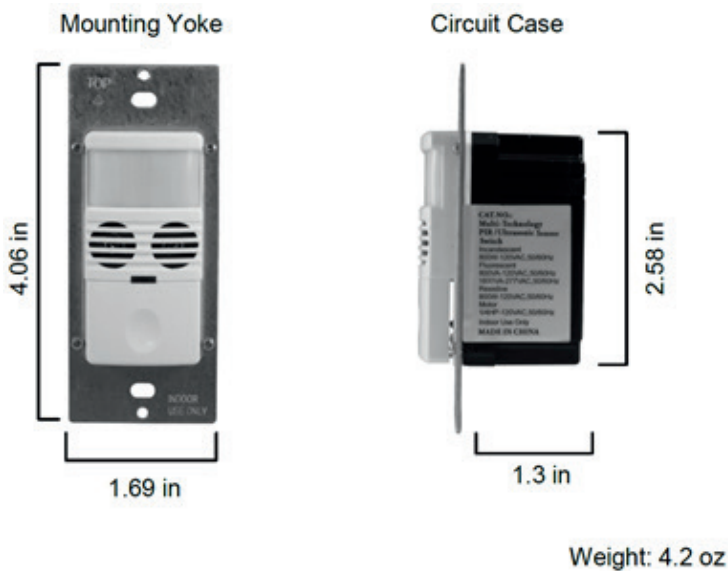
B.E.G.

Controls

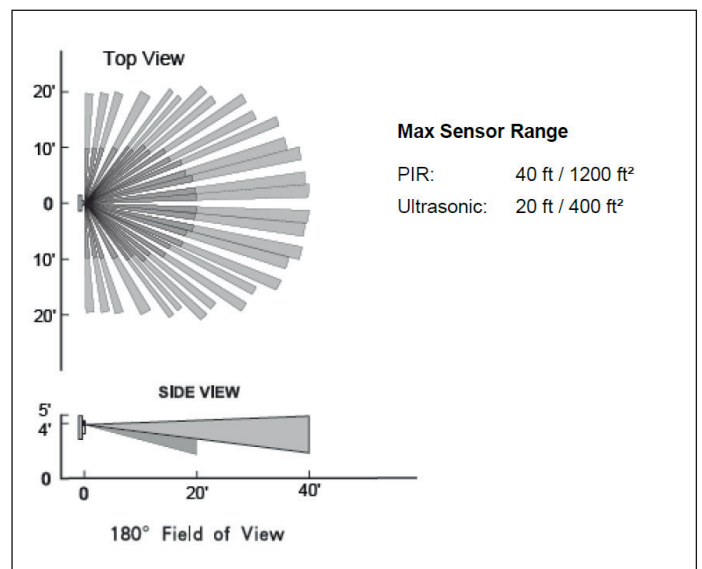
WIRING DIAGRAM



DIMENSIONS DRAWING



DETECTION AREA



Note: Product specifications are subject to change without notice.
Please consult the B.E.G. Controls web site for the most recent product specifications.