ENERLITES

Dual Technology

Humidity/PIR Motion Sensor

Model No. : DWHOS

Description:

Enerlites is proud to present DWHOS, the first two-in-one device that combines PIR (Passive Infrared) sensor to detect motion and humidity sensor to monitor humidity levels in room. The humidity sensor controls fan by automatically detecting the excess humidity levels in damp areas, such as bathrooms or spas, and activates the ventilation fan to turn on when the condensation is present and to turn off when it is dry. This device helps eliminate mold and mildew from growing by being equipped with moisture sensor to automatically detect humidity levels, which provides a more comfortable and welcoming environment.

Features:

- Turn lights & fan ON/OFF automatically
- Manual ON / automatically OFF
- Includes humidity and ambient light level adjustment
- Time Delay is adjustable from 15 seconds to 30 minutes
- Humidity sensor prevent the growth of mold by triggering ventilation fan
- The sensor will continue to operate the fan for the minimum time set oruntil there is a reduction in room humidity
- Can be manually controlled for immediate ventilation needs
- Replace single pole switch for fan/light control combination
- Great for bathrooms, basements, laundry rooms, and home spas
- Interchangeable face cover color available

Specifications:

Voltage …………………………………………………....………120 Vac, 60 Hz

Incandescent 500W

Fluorescent.. 400VA

LED.. 150W

Maximum fan load..1/4 HP,3Amp

Time Delay …………………………………….....................15 Seconds-30 Minutes

Light Level …………………………………….......................................0-20FC

Humidity range... ………….........………..…………………….……45%-80% RH

PIR coverage... …………..…………………………………..….........600sq.ft
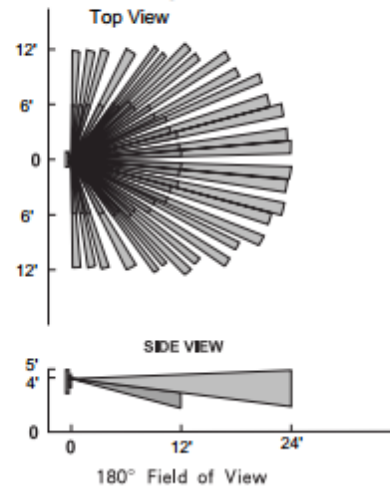
Testing & Code Compliance

- UL/CUL Listed
- California Title 24
- US Patent Pending

Coverage Area:

The coverage range of DWHOS is illustrated and specified in Figure 1. The diagram shows the motion detection area with small motion detection closer to the sensor. Barriers within the space which blocks the line-of-sight to the sensor detector will decrease the coverage area.

Best: 150 sq.ft.
Regular: 400 sq.ft.
Maximum: 600 sq.ft.

Top View

SIDE VIEW

Figure 1

180° Field of View

Installation & wiring:

Install the product as illustrated to the right, connects the following wires; green lead to ground, black and blue lead to hot, brown lead to fan, red lead to light, and white lead to neutral.

Wiring Diagram:

Single Pole

Figure 2

Neutral wire is required for operation

Factory Default and Quick Installation Mode

Mode	Time delay	Photocell	Humidity	LED indicator
Factory Default	15S	5FC	Medium	Blinking
Quick Installation	30Min	disable	Medium	Solid

Press and hold Light and Fan buttons for 10 seconds until green LED light is on, switching the mode between Factory Default and Quick Installation.
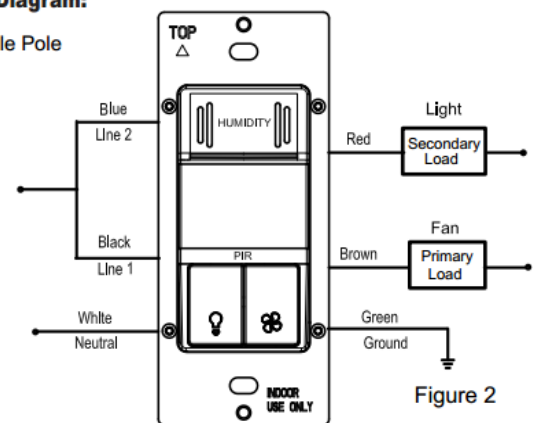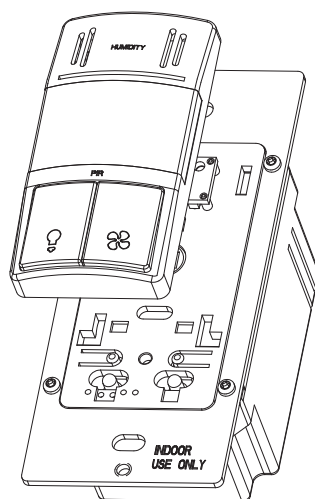
Interchangeable Face Cover

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