

Sensor, Occupancy - S-PIR-W1 with IR PIRO-Sensing

Description:

The S-PIR-W1 series is a wide view sensor that is mounted on the wall detecting small motion up to 40 ft. and larger motion up to 70 ft. In addition to passive infrared detection, it has motion technology requiring both motion and temperature to indicate occupancy of a person.



Applications:

For use with thermostats, PTAC systems, Lighting, control relay boards having the "PIRO-NETWork" protocol.

Features:

Dual Sensing - Passive Infrared to sense body heat and motion sensing to sense movement.

The combination is required to detect people.

Wide Viewing Field - The large viewing angle looks over the entire room.

Continual viewing with Time Delay - The sensor is continually looking for occupancy. Every time occupancy is seen the time delay circuit is re-activated. Thus, eliminating door switches and maximizing energy efficiency without any guest complaints.

Installation kit - On selected models installation kits consisting of 4 conductor cable (4ft) and hardware mounting.

Specifications

1. **Detection Patterns:** 120° by 40 ft.
2. **Passive Dual Technology:** Infrared and/or Microphonics
3. **Sensor Color:** White
4. **Current:** 13 mA
5. **Relay:** SPDT contacts
6. **Operating Voltage:** 24 VAC, 120 VAC or 240 VAC
7. **Operating Temperature:** 14° to 85°F
8. **UL and CUL listed**
9. **5 year warranty**
10. **Contact rating; 2 amps @10 VAC**

Catalog No.	Voltage	Features
S-PIR-W1	24 VAC	Sensor only
S-PIR-W1-024	24 VAC	Installation Kit
S-PIR-W1-120	120 VAC	Installation Kit & transformer
S-PIR-W1-240	240 VAC	Installation Kit & transformer
Un-Occupied Limits		
S-PIR-W1-024-Lx	24 VAC	Installation Kit
S-PIR-W1-120-Lx	120 VAC	Installation Kit & transformer
S-PIR-W1-240-Lx	240 VAC	Installation Kit & transformer

	Un-Occupied Set Points	
	Heat	Cool
1=	60°F	80°F
2=	55°F	85°F

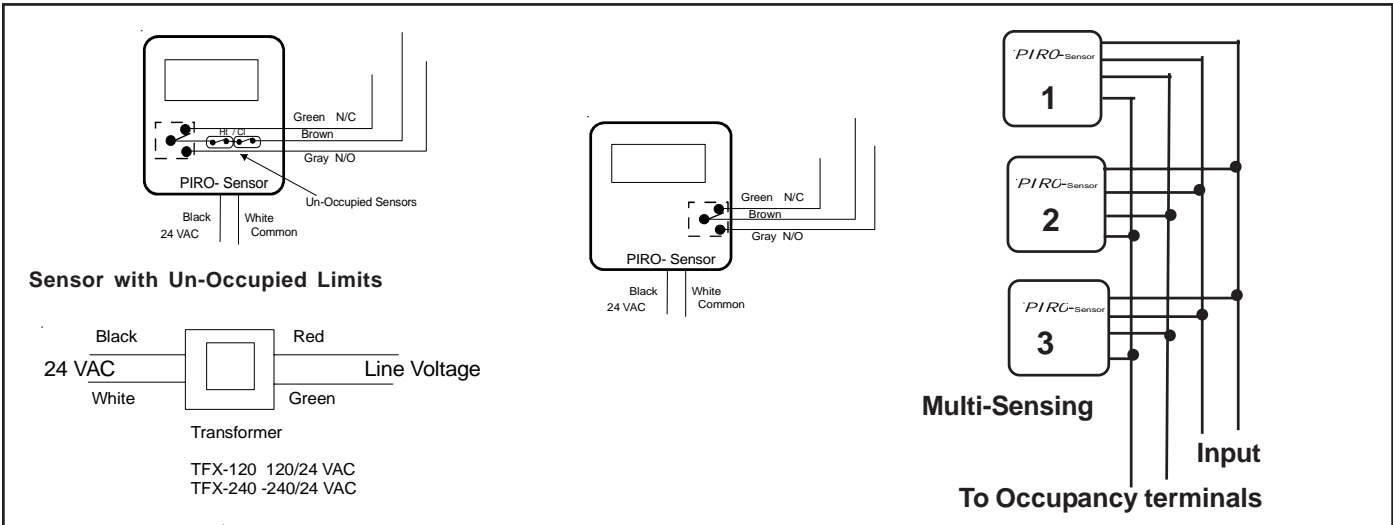
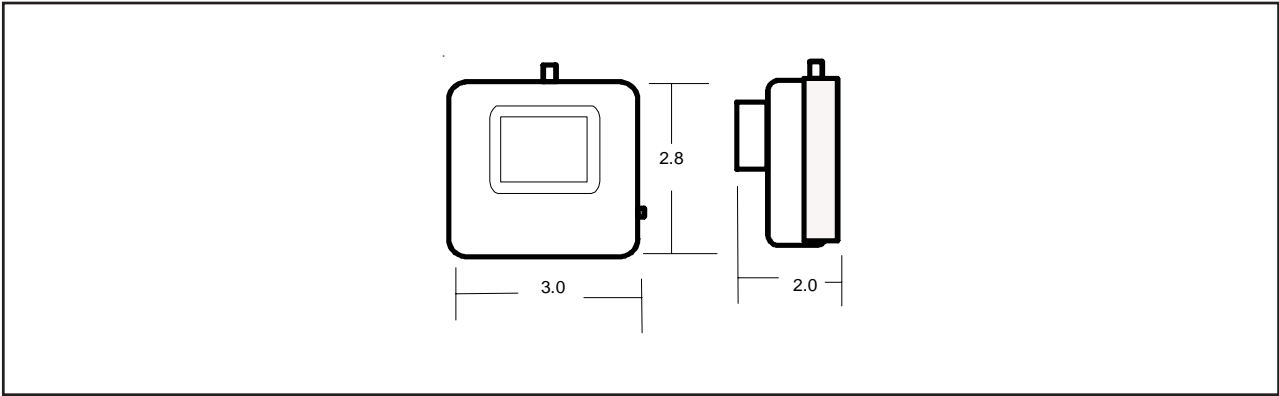
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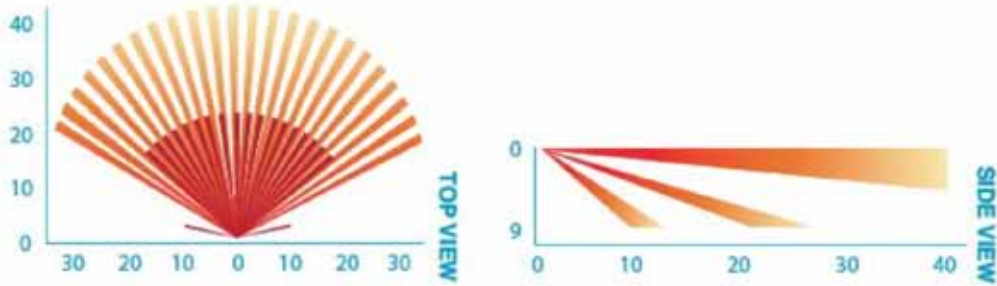
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Advanced Energy Management Controls/Systems



- Small motion (e.g. hand movements) detection up to 20 ft
- Large motion (e.g. walking) detection up to 50 ft
- Designed for 8 to 10 ft high mounting in room corner



Engineering Specifications

The Occupancy sensor shall be a stand-alone unit that can be mounted in any position. It shall have a large viewing angle that will allow it to view the entire area to be detected as outlined in the specification of 120 degrees wide and 6 ft. high. It shall have dry contacts that are SPDT rated at 2 amps. It shall be a low voltage input of 24 VAC $\pm 10\%$.

If it is being used to control temperature the sensor shall have to N/C sensor, so when the room temperature drops or rises above the selected set points the sensors will open.

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