

TORK OCCUPANCY SENSORS

OCCUPANCY SENSOR - DUAL TECHNOLOGY PASSIVE INFRARED & ULTRASONIC

PSC15

Covers up to 1500 square feet



Model PSC15



Model TRP1



APPLICATIONS

Controls both fluorescent and incandescent lighting systems.
Controls HVAC electrical equipment – ventilating and exhaust fans, space heaters, self-contained air conditioning units, etc.
For use in offices, lunch rooms, lavatories, classrooms, storage areas.

FEATURES

The significant feature of the PSC15 is that it uses both ultrasonic and passive infrared technologies to perform the ultimate task of sensing. These two technologies support each other with a user settable selection which helps eliminate blind spots as well as false ONs/OFFs from erroneous environmental signals such as temperature changes, stray noise, or warm air currents.

SPECIFICATIONS

PSC15 SENSOR

- Input Voltage:** Supplied by TRP
- Power:** Nominal 30mA
- Operating Frequency:** 32.7 kHz
- Detection Indication:** 2 Red LED's (passive infrared)
2 Green LED's (ultrasonic)
- Wiring:** Class 2, #22 AWG pigtail (from sensor to powerpack)
- Size:** 4-7/8" diameter x 1-5/8" height.
- Weight:** 7 oz.
- Housing:** High impact UL listed material to comply with all flammability rating standards.
- Color:** White
- Mounting:** Ceiling
- Time Delay:** Adjustable from 30 seconds to 30 minutes
- Ambient Ranges:** Temperature: 32° to 122°F (0° to 50°C)
Humidity: 0 to 95% R.H. non-condensing

TRP POWERPACKS

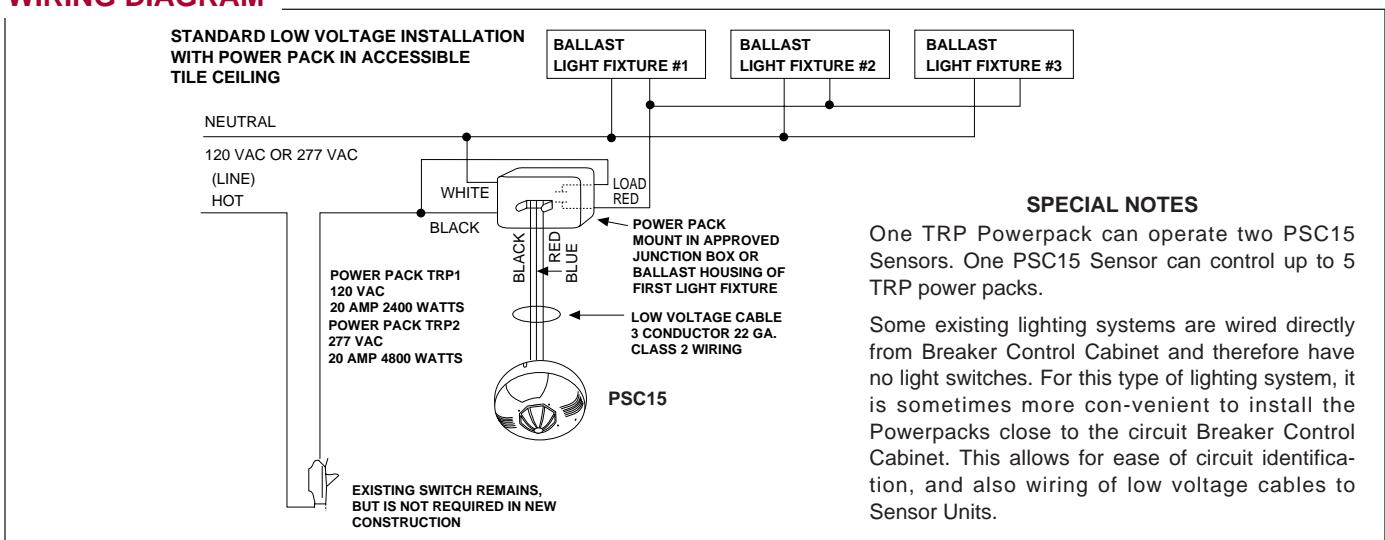
2-13/16" height, 1-5/8" width, 1-1/2" depth

- TRP1:** 120VAC
20A Ballast
20A Tungsten
20A General Purpose
1.0 HP
- TRP2:** 277VAC
20A Ballast
20A General Purpose
- TRP5:** 230VAC
20A Ballast
20A General Purpose
1.5 HP

A TORK TRP POWERPACK MUST BE USED IN CONJUNCTION WITH SENSOR

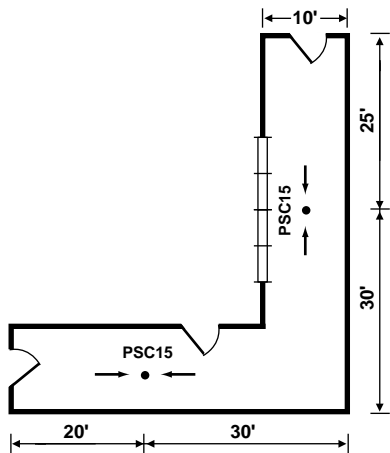
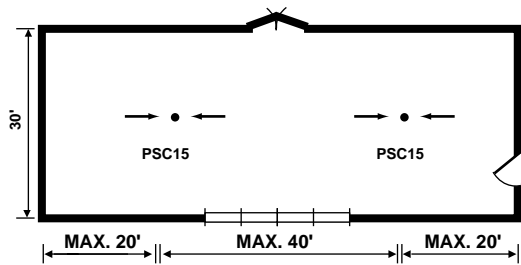
TWO YEAR LIMITED WARRANTY

WIRING DIAGRAM

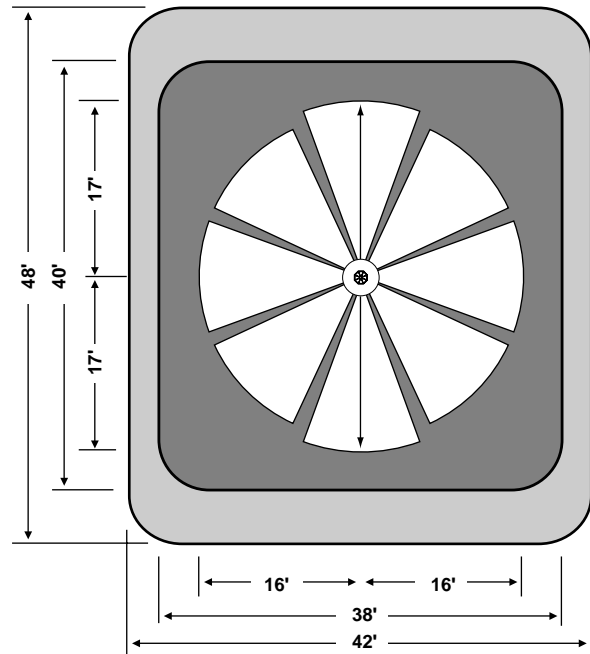


TORK OCCUPANCY SENSORS

SENSOR PLACEMENT EXAMPLES



MAXIMUM DETECTION PATTERN



Mounting Height = 9'

- Ultrasonic Detection / Major motion area
- Ultrasonic Detection / Minor motion area
- PIR Detection / Major motion area

TIME DELAY TABLE	SENSITIVITY ADJUSTMENT TABLE
EXAMPLE OF TIMER SETTINGS IN MINUTES	EXAMPLE OF SETTINGS Ultrasonic Detection
Stock Room = #15	100 SQ/FT Room = #1
Hallways = #10	300 SQ/FT Room = #1.5
Restroom = #7	500 SQ/FT Room = #2
Office = #8	700 SQ/FT Room = #3
Classroom = #9	900 SQ/FT Room = #4
	1000 SQ/FT Room = #5

NOTE: For areas larger than 1000 square feet set timer adjustment to #5 and perform walk testing using the actual light fixtures. After the walk testing is completed, set timer adjustment to #15.

SPECIFICATION WRITER'S GUIDE

Furnish and install where indicated an ultrasonic occupancy sensor capable of covering a maximum area of 1500 square feet.

Furnish and install a transformer relay powerpack of appropriate input voltage. The remote powerpack shall be capable of installation in a single gang box.

Sensor shall be capable of triggering a maximum of 5 transformer relay power packs. One transformer relay power pack shall be capable of operating up to 2 sensors. Sensor shall be equipped with a sensitivity adjustment and a separate adjustment for delayed time off of 30 seconds to 30 minutes. Sensor shall be designed for mounting onto a wall or ceiling. Sensor and relay transformer powerpack shall be TORK Models PSC15 and TRP respectively.