

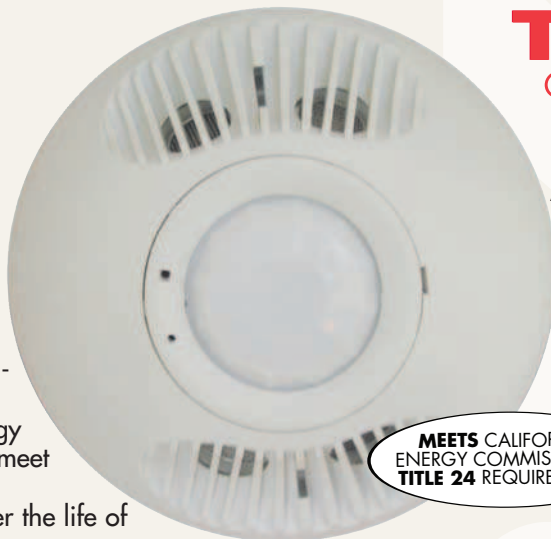
PSC20 
DUAL TECHNOLOGY
PIR/ULTRASONIC SENSOR
CEILING MOUNT
2000 SQUARE FT COVERAGE

TORK
OCCUPANCY
SENSORS

APPLICATIONS:

- Offices
- Small Conference Rooms
- Break Rooms

The PSC 20 dual technology ceiling mount occupancy sensor combines both ultrasonic (US) and passive infrared (PIR) sensing technologies to turn lighting systems on and off based on occupancy. The combination of these two technologies provides crisp turn-ONs and virtually eliminates false turn-OFFs. The PSC20 features IntellADAPT™ technology which continually analyzes the environment and adapts to meet specific challenges. This technology eliminates manual sensitivity and timer adjustments during installation and over the life of the sensor, providing true, maintenance free operation.



MEETS CALIFORNIA ENERGY COMMISSION'S TITLE 24 REQUIREMENTS

FEATURES

INTELLADAPT™: Sensor automatically determines optimum setting to properly cover the area. Excellent false tripping immunity, no manual sensitivity/timer adjustments = maintenance free operation.

SPECIFICATIONS

INTELLADAPT™: Auto reset from test setting; self adjusting timer and ultrasonic thresholds, Automatic false-ON & false-OFF corrections.

LED LAMP: Red for infrared motion, Green for ultrasonic motion.

TIMER TIMEOUT: Automatic mode = 8min-32min (self-adjusts based on occupancy). Test mode = 8sec for easy check at installation.

ULTRASONIC OUTPUT: 32kHz

POWER REQUIREMENTS: 24VDC, 33mA (uses TRP powerpack, not included, see below).

ALL DIGITAL, ULTRASONIC/PIR SENSOR: Multi-technology sensor provides both superior minor motion detection and PIR long-range motion detection.

COVERAGE: 2000sq.ft

SIZE: 1½" h x 4½" dia., **WEIGHT:** 5 oz.

HOUSING: High impact injection molded plastic KJB ABS Cylolac (UL945VA) flame class rating with UV inhibitors.

WIRING: 6" color coded leads provided.

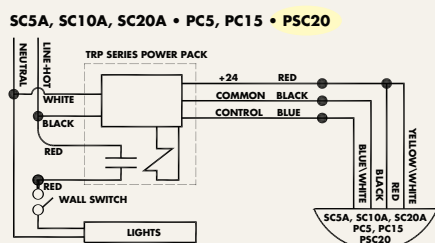
COLOR: Off white

MOUNTING: Ceiling, mounting base provided.

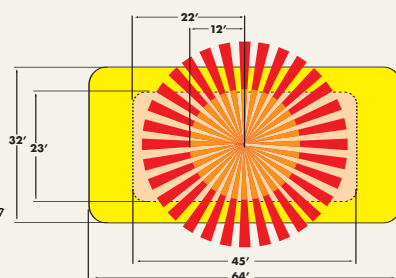
OPERATING ENVIRONMENT: Temperature: 32° to 104°F (0° to 40°C)

Humidity: 0 to 95% R.H. non-condensing. Indoor Use.

WIRING DIAGRAM



TYPICAL AREA COVERAGE



SPECIFICATIONS FOR TRP POWERPACKS

TRP1: 120VAC, TRP2: 277VAC

• **SIZE:** 2¼" L x 1⅝" W x 1½" D (fits standard wall or ceiling electrical box)

• **CONTACT RATINGS:**

20A Ballast @ 120 or 277VAC

15A Tungsten @ 120 VAC

1 HP @ 120VAC

TORK TRP POWER PACK MUST BE USED IN CONJUNCTION WITH SENSOR.



CATALOG NO	UPC CODE	COLOR	COVERAGE	INPUT VOLTAGE
PSC20	82063	WHITE	2000 SQ FT	24 VDC supplied by powerpack, below
TRP-1	82032	TRANSFORMER RELAY POWERPACK		120VAC
TRP-2	82033	TRANSFORMER RELAY POWERPACK		277VAC

SPECIFICATION WRITER'S GUIDE

Furnish and install where indicated a Dual Technology (Ultrasonic and Passive Infrared) occupancy sensor capable of covering an area of up to 2000 sq. ft. Sensor shall be equipped with IntellAdapt™ technology which automatically determines the optimum setting to properly cover the area with no manual setting required. Sensor is to be supplied with a transformer relay powerpack which can be installed remote from sensor using low voltage wire. (Powerpack may be installed close to the load in order to minimize line voltage wiring). One transformer relay powerpack shall be capable of operation of two sensors. One sensor shall be capable of triggering 5 transformer relay powerpacks. The remote powerpack shall be capable of installation in a single or multiple gang box. Sensor and relay transformer powerpack shall be TORK PSC20 and TRP respectively.