

TORK OCCUPANCY SENSORS

PASSIVE INFRARED OCCUPANCY SENSORS

PC10A Covers up to 1000 square feet
PC20A Covers up to 2000 square feet
PC10H Covers up to 40 feet X 16 feet

CEILING MOUNT

Three Versions for Open Areas,
Hallways, or Wide Area Coverage

APPLICATIONS

Controls:

- Fluorescent and Incandescent Lighting Systems
- HVAC Electrical Equipment
- Ventilating and Exhaust Fans
- Self-Contained Air Conditioning Units

For use in:

- Offices
- Motels
- Lavatories
- Conference Rooms
- Classrooms
- Hallways

FEATURES

Adjustable timer for delayed turn-off in 30 seconds to 15 minutes after no movement or presence is detected.

Manual override ON by inserting key in slot of unit (for emergency use).

Powerpack (to be ordered separately) is capable of operating up to four PC10A/PC10H/PC20A sensors.

SPECIFICATIONS

SENSOR MODEL #PC10A/PC10H/PC20A

Input Voltage: 24VDC (supplied by TRP). Input voltage for TRP to be specified. 16 MA nominal.

View Angle: (Model PC10A/PC20A) 360°

Detection Range: (Model PC10H) 80'

Wiring: Class 2, #22 AWG (between sensor and powerpack)

Temperature Range: 0° to 150°F (-18° to 66°C)

Size: 4-3/4" length x 2-13/16" width x 1-1/8" depth.

Weight: 3 oz.

Color: White

Mounting: Ceiling

For area coverage diagrams, see pages 72-73

MODEL #TRP POWERPACKS - MUST BE USED IN CONJUNCTION WITH SENSOR

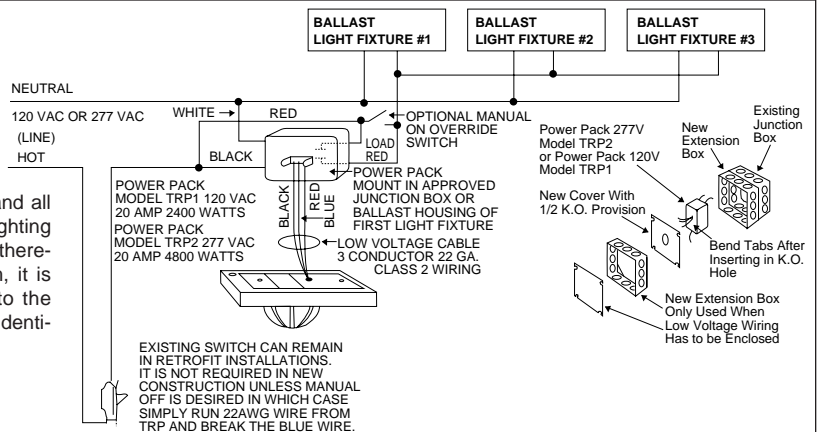
FOR CONTACT RATINGS, SEE PAGE 68

WIRING DIAGRAM

Standard low voltage installation
with remote power pack
in accessible tile ceiling

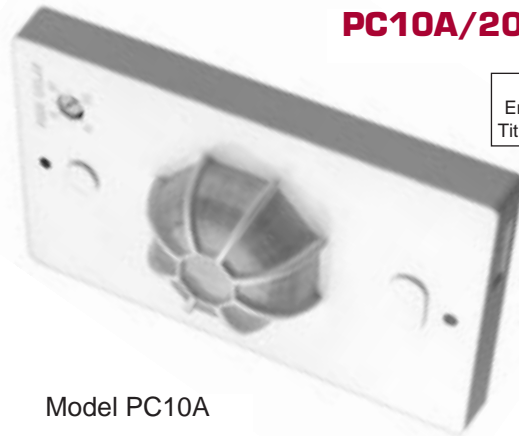
SPECIAL NOTES: One Power Pack can operate 4 sensors and all low voltage wires are connected in parallel. Some existing lighting systems are wired directly from Breaker Control Cabinet and therefore have no light switches. For this type of lighting system, it is sometimes more convenient to install Power Packs close to the Circuit Breaker Control Cabinet. This allows for ease of circuit identification, and also wiring of low voltage cable to sensor units.

TRPS are UL Listed.



PC10A/20A SERIES

Meets California
Energy Commission
Title 24 requirements.



Model PC10A



Model TRP1



ORDERING INFORMATION

MODEL	DESCRIPTION	INPUT VOLTAGE
PC10A	Sensor only	24 VDC supplied from powerpack
PC10H	Sensor only – for hallways	24 VDC supplied from powerpack
PC20A	Sensor only – for wide area coverage	24 VDC supplied from powerpack
TRP1	Powerpack	120 VAC
TRP2	Powerpack	277 VAC
TRP5	Powerpack	230 VAC

SPECIFICATION WRITER'S GUIDE

Furnish and install where indicated a passive infrared occupancy sensor capable of (Model PC10A) covering an area of up to 1000 square feet or . . . (Model PC10H) for aisles, corridors, hallways with a detection range of 80 feet long x 16 feet wide . . . or (Model PC20A) covering an area of up to 2000 sq. ft. Sensor shall be equipped with a separate adjustment for delayed time off of 30 seconds to 15 minutes. Sensor shall be designed for mounting onto a ceiling.

Sensor is to be supplied with a transformer relay power pack which can be installed remote from sensor using low voltage wire. (Powerpack can be installed close to load in order to minimize line voltage wiring). The remote powerpack shall be capable of installation in a single or multiple gang box. One remote powerpack shall be capable of operating a maximum of four sensors. Sensor and transformer relay powerpack shall be TORK Models PC10A/PC10H/PC20A and TRP respectively.

OCCUPANCY
SENSORS