CM 10 – CEILING MOUNT SENSOR w/ LARGE MOTION COVERAGE TYPE



The CM family of ceiling mount occupancy sensors provide a range sensor solutions for applications
with finished ceilings (e.g. ceiling tiles, sheetrock, plaster). CM family sensors utilize 100%
digital Passive Infrared (PIR) detection and are available with several lens options, providing
flexibility for multiple mounting height and coverage pattern requirements. Dual technology (PDT)
occupancy detection can also be added as an option for applications where occupants are stationary for
long periods of time.

FEATURES

- 360° coverage pattern
- Push- button programmable, adjustable time delays, and multiple operating modes
- 100 hr. lamp burn-in timer
- No field calibration or sensitivity adjustments required
- Convenient test mode
- Green LED indicator

CM 11 – CEILING MOUNT OCCUPANCY SENSOR w/ HALLWAY COVERAGE



The CM family of ceiling mount occupancy sensors provide a range sensor solutions for applications
with finished ceilings (e.g. ceiling tiles, sheetrock, plaster). CM family sensors utilize 100%
digital Passive Infrared (PIR) detection and are available with several lens options, providing
flexibility for multiple mounting height and coverage pattern requirements. Dual technology (PDT)
occupancy detection can also be added as an option for applications where occupants are stationary for
long periods of time.

FEATURES

- 360° coverage pattern
- Push- button programmable, adjustable time delays, and multiple operating modes
- 100 hr. lamp burn-in timer
- No field calibration or sensitivity adjustments required
- Convenient test mode
- Green LED indicator

CM 9 – CEILING MOUNT SENSOR w/ SMALL MOTION COVERAGE TYPE



The CM family of ceiling mount occupancy sensors provide a range sensor solutions for applications
with finished ceilings (e.g. ceiling tiles, sheetrock, plaster). CM family sensors utilize 100%
digital Passive Infrared (PIR) detection and are available with several lens options, providing
flexibility for multiple mounting height and coverage pattern requirements. Dual technology (PDT)
occupancy detection can also be added as an option for applications where occupants are stationary for
long periods of time.

FEATURES

- 360° coverage pattern
- Push- button programmable, adjustable time delays, and multiple operating modes
- 100 hr. lamp burn-in timer
- No field calibration or sensitivity adjustments required
- Convenient test mode
- Green LED indicator

CMR 9 – 360° CEILING MOUNT SENSOR SINGLE RELAY



The CMR 9 Series Standard Range 360° occupancy sensor incorporates Passive Infrared (PIR) detection technology into an attractive line powered occupancy sensor that provides amazing sensitivity to small motions (e.g. hand movements) and excellent payback. The CMR 9 is an economical solution for providing automatic lighting control where a wall switch replacement sensor is not applicable. With an integrated line switching relay, the CMR 9 is perfect for applications where locating a power pack is difficult, such as retrofitting rooms with concrete or inaccessible ceilings.

FEATURES:

- Push-button programmable
- Adjustable time delays
- Multiple operating modes
- No field calibration or sensitivity adjustments required
- No minimum load requirements

CMR 9 2P – 360° CEILING MOUNT SENSOR DUAL RELAY



The CMR 9 Series Standard Range 360° occupancy sensor incorporates Passive Infrared (PIR) detection technology into an attractive line powered occupancy sensor that provides amazing sensitivity to small motions (e.g. hand movements) and excellent payback. The CMR 9 is an economical solution for providing automatic lighting control where a wall switch replacement sensor is not applicable. With an integrated line switching relay, the CMR 9 is perfect for applications where locating a power pack is difficult, such as retrofitting rooms with concrete or inaccessible ceilings. For rooms with obstructions, the CMR PDT 9 Series sensor is recommended.

FEATURES:

- Push-button programmable
- Adjustable time delays
- Multiple operating modes
- No field calibration or sensitivity adjustments required
- No minimum load requirements

CMR PDT 10 – EXTENDED RANGE 360° CEILING MOUNT SENSOR w/ DUAL TECHNOLOGY



The CMR 10 Series incorporates Passive Infrared (PIR) technology into an attractive and economical line powered sensor to provide maximum viewing from the ceiling. When mounted at 9 ft (2.74 m), this sensor views up to 28 ft (8.53 m) in all directions. Its circular coverage pattern is designed for walking motions; making it ideal for T-shaped intersections in corridors, or other areas where wall mounting a sensor is not practical. Low ceiling heights are also best covered with the CMR 10.
For example, when mounted at only 7 ft (2.13 m), the height of pick aisles in many distribution centers, the CMR 10 provides a 32 ft (9.75 m) diameter pattern of coverage. For detection of minor motion is also required, the CMR PDT 10 Series Dual Technology sensor is recommended.

FEATURES
• Push- button programmable, adjustable time delays, and multiple operating modes
• 100 hr lamp burn-in timer
• No field calibration or sensitivity adjustments required

CMR PDT 9 – 360° CEILING MOUNT SENSOR w/ DUAL TECHNOLOGY



The CMR 9 Series Standard Range 360° occupancy sensor incorporates Passive Infrared (PIR) detection technology into an attractive line powered occupancy sensor that provides amazing sensitivity to small motions (e.g. hand movements) and excellent payback. The CMR 9 is an economical solution for providing automatic lighting control where a wall switch replacement sensor is not applicable. With an integrated line switching relay, the CMR 9 is perfect for applications where locating a power pack is difficult, such as retrofitting rooms with concrete or inaccessible ceilings.
For rooms with obstructions, the CMR PDT 9 Series sensor is recommended.

FEATURES:

- Push-button programmable
- Adjustable time delays
- Multiple operating modes
- No field calibration or sensitivity adjustments required
- No minimum load requirements

HW13 – HALLWAY OCCUPANCY SENSOR



Long, narrow PIR detection for control of hallway lighting.

- 100% Digital PIR detection
- Coverage up to 130 ft. (39.62m)
- Push button programmable
- Adjustable time delays
- Convenient test mode
- No field calibration or sensitivity adjustments required
- 100 hr. lamp burn-in timer
- Recommended Power Pack: PP20

MP20 – SENSOR SWITCH POWER PACK / SECONDARY PACK



The MP20 power/relay pack and MSP20 secondary relay pack work with low voltage occupancy sensors to
switch lighting loads on and off. The MP20 also transforms 120, 240, and 277 VAC single phase power
to Class 2 15 VDC to power remote sensors. Although plenum rated, the elongated mounting nipple
allows for these packs to be mounted either directly through a 1/2 inch knockout in a junction box,
or to be located inside an adjacent box for specific local code requirements. Up to 14 sensors may
be connected to one MP20. Multi-circuit control can be handled by multiple MP20 or MSP20
packs. MP20s can be wired continuously hot (line side), itch leg (load side) without nuisance
delays upon turn on.

FEATURES

- Powers Low Voltage Sensors (MP20)
- Switches Line Voltage Loads
- Plenum Rated

PP 20 – SWITCH POWER PACK

SINGLE POLE



Power packs are the heart of the low voltage sensor system. A PP20 Series power pack transforms
Class I high voltage (120/277 VAC or 347 VAC) to Class 2 15 VDC for powering remote sensors. The
PP20 and the SP20 Series slave pack are also capable of switching lighting loads on and off using
their internal relays. Class 2 wire leads connect to 18 to 22 AWG low voltage cable running to the
sensors, making installation easy and clean. Power packs also have an elongated chase nipple that
allows it to be mounted either directly through a ½ inch knockout into a junction box, or inside an
adjacent box for meeting specific local code requirements in ceiling plenums.
The most versatile power pack is the PP20, which utilizes a patented relay contact protection and
can power up to 14 sensors. Dual-circuit control can be handled by two PP20’s, one PP20 2P Series
2-Pole power pack, or a PP20 power pack and a SP20 slave packs.
FEATURES

- Powers Low Voltage Sensors (PP20/PP20 2P only)
- Self-Contained Relay(s) Switch Line Voltage Loads
- Relay Contact Protection
- Plenum Rated

PP20 2P – SWITCH POWER PACK 2-POLE



Power packs are the heart of the low voltage sensor system. A PP20 Series power pack transforms
Class I high voltage (120/277 VAC or 347 VAC) to Class 2 15 VDC for powering remote sensors. The
PP20 and the SP20 Series slave pack are also capable of switching lighting loads on and off using
their internal relays. Class 2 wire leads connect to 18 to 22 AWG low voltage cable running to the
sensors, making installation easy and clean. Power packs also have an elongated chase nipple that
allows it to be mounted either directly through a ½ inch knockout into a junction box, or inside an
adjacent box for meeting specific local code requirements in ceiling plenums.
The most versatile power pack is the PP20, which utilizes a patented relay contact protection and
can power up to 14 sensors. Dual-circuit control can be handled by two PP20's, one PP20 2P Series
2-Pole power pack, or a PP20 power pack and a SP20 slave packs.
FEATURES

- Powers Low Voltage Sensors (PP20/PP20 2P only)
- Self-Contained Relay(s) Switch Line Voltage Loads

- Relay Contact Protection
- Plenum Rated

PTS 60 – PROGRAMMABLE TIMER SWITCH (60 MIN)



The PTS 60 and PTS 720 Series Electronic Auto Shut-off Timer Switches provide a simple to use and simple to apply lighting control alternative to wall switch occupancy sensors. These elegant decorator style wall stations each provide six preset countdown timer selections as well as an on/off push-button

- Self-Contained Relay
- Interchangeable Hot & Load Wires – Impossible to Wire Backwards
- No Neutral Connection Required
- Self-Grounding Mounting Strap
- No Minimum Load Requirement
- Push-Button Programmable w/o Removing Switch Plate
- Fixed or Adjustable Preset Times
- Optional Audible Timeout Warning at 45, 30, and 15 sec
- Optional Flicker Timeout Warning at 2 and 1 min
- Continuous LED Flash for Last 30 sec of Button’s Time Setting
- Green On/Off Switch Status LED
- Green LED Time Indicators