

# MOTION SENSORS

## Energy Saving Intelligence

Honeywell's INNCOM Series of Passive Infrared (PIR) Motion Detectors adds occupancy sensing capability to the room control system. Its radio frequency (RF) capability allows participation in the INNCOM Integrated Room Automation System.

### OVERVIEW

Available as either wall or ceiling mounted devices, the Motion Sensors, in conjunction with a door contact device, a room controller, and a communication network, helps determine room occupancy. Occupancy sensing leads to better management of energy usage, security and lighting scenes; extends heating, ventilation, and air conditioning equipment life; enhances the overall operating efficiency of the property; and improves occupancy satisfaction.

All of the INNCOM Motion sensors are a microprocessor-controlled PIR detector designed for easy installation. They feature a combination of Fresnel and cylindrical lens elements with high-detection sensitivity beginning at 0.5 meter (1.64 ft.) away from the detector up to a distance of 12 meters (40 ft.). The patented advanced True Motion Recognition™ algorithm allow the INNCOM Motion Sensors to distinguish between the true motion of an occupant and other disturbances that might provoke false readings.



K594.RF Battery Powered Motion Sensor



K595.RF



K594 W and K594 C

## FEATURES & BENEFITS



Advanced energy management

K594.RF battery powered perfect for retrofit



K594.RF and K595.RF include on-board PIR's

K594.RF and K595.RF Wireless Communication



Easy, Low cost Installation

May be mouted on walls, ceilings or in corners



May be integrated with the INNCOM Room Automation System over the Deep Mesh Network with INNCOM's INNcontrol 3 software



A combination of Fresnel and cylindrical lens elements add high-detection sensitivity starting at 1.64 ft. away from the detector up to a distance of 40 ft.

# Motion Sensors Specifications

K594.RF MOTION SENSOR	
DIMENSIONS	3.5"W x 3.5"H x 2.5" D (88.9mm W x 88.9mm H x 63.5mm D)
RF DATA	250kbps
ANTENNA TYPE	SMT
INDOOR RANGE	70ft
OUTDOOR/RF LINE-OF-SIGHT RANGE	540
TRANSMIT POWER	1mW (+0dBm)
RECEIVE SENSITIVITY	-94.6dBm
FREQUENCY BAND	2.4Ghz
ENCRYPTION	AES-128
PROTOCOL	802.15.4
PARAMETER	S541.RF
INPUT VOLTAGE	9 to 16 VDC
CURRENT DRAIN	Max. 9mA @ 12VDC
FCC PART 15B LISTED	

K594 WALL & CEILING	
DIMENSIONS	Ceiling: 25mm x 85mm Wall: 1 1/8" H x 15/15" W x 1 7/16" D
INPUT VOLTAGE	9 to 16 VDC
CURRENT DRAIN	Max. 9 mA @ 12 VDC
LENS DATA	No. of Fresnel beams: 27 No. of curtain beams: 9 + 5 Max. coverage: 12 x 12 m (40 x 40 ft.) 90
ALARM INDICATION	LED lights for 2-3 seconds
EVENT COUNTER	Selectable, 1 or 2 motion events
TAMPER CONTACTS	Normally closed, 50 mA resistive/30 VDC
OPERATING TEMPERATURE	-10 degrees C to 50 degrees C (14° F to 122° F)
STORAGE TEMPERATURE	-20 degrees C to 60 degrees C (-4° F to 140° F)
RFI PROTECTION	Greater than 20 V/m (20MHz to 1000 MHz)

K595.RF	
DIMENSIONS	2.9"W x 4.68"H x .29" D Mounts in a single US gang box
RF DATA	250kbps
ANTENNA TYPE	SMT
INDOOR RANGE	70ft
OUTDOOR/RF LINE-OF-SIGHT RANGE	540
TRANSMIT POWER	1mW (+0dBm)
RECEIVE SENSITIVITY	-94.6dBm
FREQUENCY BAND	2.4Ghz
ENCRYPTION	AES-128
PROTOCOL	802.15.4
FREQUENT CHANNELS	11-26
FCC AND CE MARK	

## For more information

[www.inncom.com](http://www.inncom.com)

## Honeywell

277 West Main Street  
Niantic, CT 06357  
+1.860.739.4468

Motion SensorsData | RevB | 03/17  
© 2017 Honeywell International Inc.

**Honeywell**  
THE POWER OF **CONNECTED**