

# OCCUPANCY SENSING MEANS ENERGY SAVINGS

Add smart occupancy-sensing capabilities to your guestroom control system with Honeywell INNCOM Passive Infrared (PIR) Motion Sensors. Wired and wireless radio frequency (RF) models enable seamless connectivity with your INNCOM Energy Management System (EMS), helping you maximize guestroom energy savings.

## KNOW WHEN ROOMS ARE OCCUPIED

INNCOM motion detectors mount on the wall or ceiling to help you sense when a guestroom is occupied, in conjunction with a door contact device, a room controller, and a communication network. These devices are ideal for supplementing your EMS when a guestroom's thermostat has no onboard motion sensor, or when a significant portion of the guestroom or suite is out of range of the thermostat's motion sensor.

Occupancy sensing leads to better management of energy usage, security and lighting scenes. It also extends the service life of equipment for heating, ventilation, and air conditioning, while enhancing the overall operating efficiency of your property – all of which adds up to improved guest satisfaction.

## PRECISE DETECTION, EASY INSTALLATION

INNCOM motion sensors have wide detection ranges and are simple to install. Each model is a microprocessor-controlled PIR sensor with a combination of Fresnel and cylindrical lens elements for high sensitivity from 0.5 to 12 meters (1.64 to 40 feet).

Occupant motion is differentiated from other types of motion to ensure that an accurate occupancy reading is achieved.



K594.RF Battery Powered Motion Sensor



K595.RF Battery Powered Motion Sensor



K594W Wall Mounted Motion Sensor



K594C Flush Ceiling-Mounted Motion Sensor



04-1068.MI Recessed Ceiling-Mounted Mini PIR Motion Sensor



Advanced energy management

Battery-powered model is ideal for retrofits (K594.RF, K595.RF)



Wireless RF communication (K594.RF, K595.RF)

Recessed ceiling-mounted model (04-1068.MI) for discreet, low-profile design applications



Easy, low-cost installation

Versatile mounting options – walls, ceilings, or in corners



Can integrate with INNCOM INNcontrol EMS software via the Deep Mesh Network



Sensitive detection over a wide range, from 0.5–12 m (1.64–40 ft)

Low-battery alerts for convenient maintenance

**Honeywell**

## INNCOM MOTION SENSORS

K594.RF MOTION SENSOR	
<b>PART NUMBER</b>	01-9912-RFWH.P 01-9912-RFBK.P 01-9912-RFLA.P 01-9912-RFXX.P
<b>DIMENSIONS</b>	89 mm H 89 mm W x 64 mm D (3.5 in H x 3.5 in W x 2.5 in D)
<b>RF DATA</b>	250kbps
<b>ANTENNA TYPE</b>	SMT
<b>INDOOR RANGE</b>	21 m (70 ft)
<b>OUTDOOR/RF LINE-OF-SIGHT RANGE</b>	165 m (540 ft)
<b>TRANSMIT POWER</b>	1mW (+0dBm)
<b>RECEIVE SENSITIVITY</b>	-94.6dBm
<b>FREQUENCY BAND</b>	2.4Ghz
<b>ENCRYPTION</b>	AES-128
<b>PROTOCOL</b>	802.15.4
<b>PARAMETER</b>	S541.RF
<b>INPUT VOLTAGE</b>	9 to 16 VDC
<b>CURRENT DRAIN</b>	Max. 9mA @ 12VDC
<b>FCC PART 15B LISTED</b>	

K595.RF	
<b>PART NUMBER</b>	201-595-WHUS.P 201-595-BKUS.P 201-595-LAUS.P 201-595-XXUS.P
<b>DIMENSIONS</b>	119mm H x 74mm W x 7.40mm D (4.7 in H x 2.9 in W x .3 in D)
<b>RF DATA</b>	250kbps
<b>ANTENNA TYPE</b>	SMT
<b>INDOOR RANGE</b>	21 m (70 ft)
<b>OUTDOOR/RF LINE-OF-SIGHT RANGE</b>	165 m (540 ft)
<b>TRANSMIT POWER</b>	1mW (+0dBm)
<b>RECEIVE SENSITIVITY</b>	-94.6dBm
<b>FREQUENCY BAND</b>	2.4Ghz
<b>ENCRYPTION</b>	AES-128
<b>PROTOCOL</b>	802.15.4
<b>FREQUENCY CHANNELS</b>	11-26
<b>FCC AND CE MARK</b>	

K594C	
<b>PART NUMBER</b>	04-1068.AEI
<b>DIMENSIONS</b>	25 mm H x 86 mm W (1 in h x 3.4 in w)
<b>INPUT VOLTAGE</b>	8 to 16VDC
<b>CURRENT DRAIN</b>	Max. 15 mA
<b>LENS DATA</b>	No. of Fresnel beams: 24 No. of curtain beams: 24 + 14 Max. coverage: 11 x 11 m (36 x 36 ft.) 113 degrees
<b>ALARM INDICATION</b>	Relay contact: 28VDC, 0.1A
<b>EVENT COUNTER</b>	Normal response or 2 pulse within 10 seconds
<b>TAMPER CONTACTS</b>	Normally closed, 50 mA resistive/12 VDC
<b>OPERATING TEMPERATURE</b>	-10 degrees C to 55 degrees C (14°F to 131°F)
<b>STORAGE TEMPERATURE</b>	-20 degrees C to 60 degrees C (-4°F to 140°F)

K594W	
<b>PART NUMBER</b>	K04-1067.V
<b>DIMENSIONS</b>	105 mm x 61 mm x 44 mm (4.2 in. x 2.4 in. x 1.7 in.)
<b>INPUT VOLTAGE</b>	9 to 15 VDC
<b>ALARM INDICATION</b>	LED lights for 2.4 seconds
<b>EVENT COUNTER</b>	Selectable, 2 or 4 pulse
<b>TAMPER</b>	Normally-closed (NC) contacts (with cover on) rated for ≤100 mA, 25 VDC, 2.5 W Connect tamper circuit to 24-hour protection circuit
<b>OPERATING TEMPERATURE</b>	0°C to +49°C (+32°F to +120°F)
<b>RFI PROTECTION</b>	RFI Immunity

PIR2036.EP	
<b>PART NUMBER</b>	04-1068.MI PIR2036.EP
<b>DIMENSIONS</b>	54 mm H x 40 mm W (2 in H x 1.6 in W)
<b>OPERATION VOLTAGE</b>	8-16VDC, 12VDC Nominal
<b>CURRENT CONSUMPTION</b>	15mA-Typical at 12VDC
<b>LENS DATA</b>	No. of beams: 36 Max. coverage: 8 x 8 m (26 x 26 ft.) 120 degrees
<b>POWER-UP DELAY</b>	2 minutes start-up LED Flash Indication
<b>DETECTION MEDIA</b>	Quad-element Pyro-Sensor
<b>SPECTRAL DETECTION</b>	6-14 uM
<b>SIGNAL PROCESSING</b>	Alternate Polarity Signal Processing
<b>DETECTION RANGE</b>	8m at 25°C
<b>PULSE COUNTING</b>	Single or Dual Polarity for Harsh Environment, Selectable
<b>SENSOR OUTPUT TIME</b>	3 Seconds
<b>SENSOR OUTPUT CONTACT</b>	N.C. or N.O. Relay Dry Contact, Selectable Contact in series with a 10 Ohm current limiting resistor
<b>OUTPUT CONTACT RATING</b>	50VDC/0.5A Maximum
<b>WALK-TEST LED RATING</b>	Starts after Power-up Delay
<b>RELATIVE HUMIDITY</b>	95% Non-condensing
<b>OPERATION TEMPERATURE</b>	10°C to 55°C
<b>WEIGHT</b>	30g net

For more information  
[inncom.com](http://inncom.com)

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