



# Wireless Motion Detector



- ▶ **12 m x 12 m (40 ft x 40 ft) coverage**
- ▶ **2,3 m to 2,7 m mounting height, no adjustments required**
- ▶ **Can be used as external daily button for a Carephone.**
- ▶ **Important ray density : 79 zones in eight direction levels**
- ▶ **Pet immunity through look-down zone film**
- ▶ **Remote walk test**
- ▶ **869 MHz RF transmission provides reliable long-range communication with high security and long battery life**
- ▶ **First Step processing (FSP), flexible mounting options, and temperature compensation**
- ▶ **Eight detection layers including look-down zones**
- ▶ **Externally-visible LED indicates test status**

The Wireless Motion Detector is a passive infrared detector designed to monitor a room and to wirelessly transmit alarms to the HTS. The detector can be operated in combination with Carephones 3100, 50, 52+, 10 or 12.

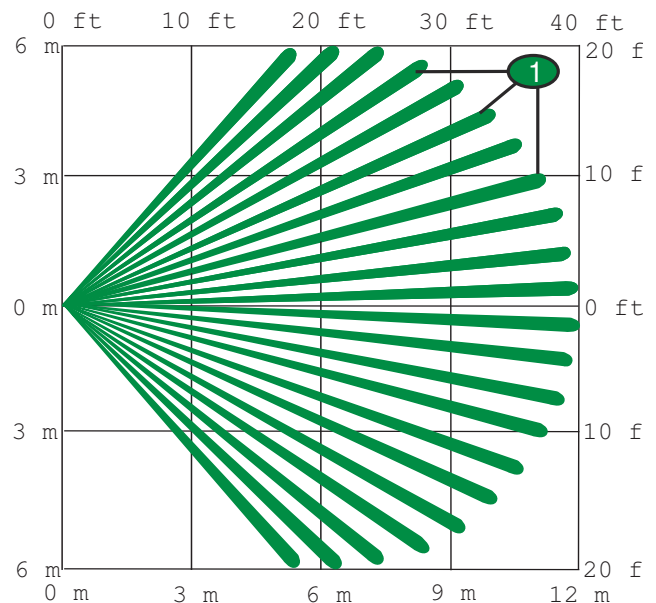
The Wireless Motion Detector has a dense zone pattern with 79 zones in eight layers to provide superior catch performance. Ease of installation and flexible mounting options provide state-of-the-art detection every time.

## Functions

### External daily button

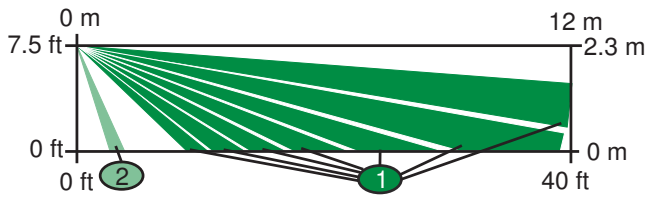
The activity monitor in the Carephone can be reset via the daily button and the Wireless Motion Detector. In this instance, the detector serves as an external daily button for the HTS. It consists of a passive infrared detector and a wireless transmitter module, both of which are powered by batteries.

## Field Coverage (12 m x 12 m)



Top View Broad: 12 m x 12 m. (40 ft x 40 ft)

1 PIR coverage pattern



Side View Broad: 12 m x 12 m. (40 ft x 40 ft)

- 1 PIR coverage pattern
- 2 Look-down zone

**Pet immunity**

The detector is fitted with a lookdown zone film, on which the monitoring zone is deactivated. This prevents false alarms being triggered by pets. By removing the look-down zone film, this monitoring zone is activated.

**Remote Walk Test LED**

Once the batteries have been inserted and the tamper contact has been closed, the detector will be in walk test mode for about 90 seconds. Each time a movement is detected, the time will be reset. During the last 10 seconds, the LED flashes to indicate that the walk test function is about to end. During this time, there should be no movement. While in walk test mode, no alarms will be forwarded to the HTS. When movement is detected, the LED lights up for 4 seconds.

**Certifications and Approvals**

- Approvals CE 0682
- Complies with: EN50131-1 Grade 2, Environmental class II
- R&TTE 1999/5/EC
- LVD 73/23/EEC
- EMC 89/336/EEC
- EN 50130-4
- EN 300220-1 / -2
- EN 301489-1,3 V1.4.1
- EN 61000-6-3
- EN 50371
- EN 60950-1

**Parts Included**

Quantity	Component
1	Detector
2	Flat-head screws
2	Screw anchors
1	Pattern Mask
1	Installation Guide

**Technical Specifications**

**Environmental Conditions**

Environment	Indoor, dry
EN50131-1	Environmental Class II
Relative Humidity	Up to 95%, non-condensing
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Storage Temperature	-20°C to +80°C (-4°F to +176°F)

**Housing**

Color	Cream white
Dimensions (H x W x D)	12.2 x 6.2 x 5.2 cm

**Power Requirements**

Battery Life	From 18 months to 4 years, depending on the area of installation and number of transmissions.
Battery Requirements	Four AA Alkaline batteries
Recommended Replacements	Duracell® MN1500 or PC1500, Eveready® E91, Panasonic® AM-3PIX/B
Supply voltage	2.3 VDC to 3.0 VDC
Automatic test signal	Every 24 hours at least
Message "Battery Low"	On activation or automatic test signal. Following a "Battery Low" message, the battery should be changed within one week.

**Transmission and Reception Characteristics**

Frequency	869.2125 MHz
Max. modulating frequency	Bosch: <math>\pm 2,5\text{ kHz}</math> TA: <math>\pm 1,25\text{ kHz}</math>
Bandwidth of band used	25 kHz
Modulation type	FSK (frequency shift keying) / ITU F1D
Modulation hub of sender	$\pm 3\text{ kHz}$
Transmission power	-3 dBm (0.5 mW) (Class B transmission power complies with EN300220)
Transmission rate	Bosch : 0 - 1600 Hz TA: 0 - 2500 Hz
Range (unobstructed)	300 m

**Infrared detector**

Installation height	2.3 to 2.7 m
Monitoring zone	12 m x 12 m

**Trademarks**

Duracell® is a registered trademark of the Gillette Company, USA, in the United States and/or other countries.

Eveready® is a registered trademark of Eveready Battery Company, Inc.

Panasonic® is a registered trademark of a Matsushita Electric Industrial Co., Ltd.

**Ordering Information**

Wireless motion detector ISA-WM-869	ISA-WM-869
Wireless motion detector CRS-WM-TA869	CRS-WM-TA869

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