

FCC ID:WP3MP840  
IC:1467C-MP840

## MP-840 General specifications

### General Description

This Zig Bee PIR motion detector is a part of secure system and it uses as a part of Multi System Operator, for Home Automation systems. This detector includes an ambient temperature measurement and light sensing as well. Those three parameters are a trigger rules in order to provide a monitoring and control according to the customer requirements.

### TRANSMITTER

Operating band: 2405-2480MHz

Operating Frequencies: 2405x5n (n=0,1...15)

Number of channels: 16 Channels (from 11 to 26)

Output power: 14dBm/50Ω

Transmit current: 62mA

Modulation type: OQPSK 250 Kbps

Carrier frequency error: +/-40ppm

### RECEIVER

Sensitivity: -100dBm (1% PER, 20 byte packet defined by IEEE 802.15.4-2003)

Max Power Signal Level: -10dBm

Adjacent channel rejection: 35dB (input signal -82dBm)

Alternate channel rejection: 43dB (input signal -82dBm)

Relative frequency error: +/-120ppm

Receive current: 45mA

### GENERAL



*A Tyco International Company*

Antenna: printed INVF, max gain 3dBi

Power supply: 3 volts, CR123 lithium battery.

Voltage range: 2.4 - 3.2V

Low Battery Voltage: 2.6V

Nominal battery capacitance: 1350mAh

Stand by current: 8 $\mu$ A

Battery life expectation: Approx. 3 year (for typical use)

Led indicator: For installation process and link quality.

Protocol: ZigBee

Battery status report every check-In

PIR detector Built-in

Front and back tamper protection

Usable temperature range: -10°C - +50°C

Dimensions: 83.5x61x42

Weight (including Battery): 50gr.