

Chip Development

Wireless Floor Mat Transmitter



WFT-01

(Connects to Nurse Call Receiver, Wireless Falls Monitor or Wireless Pager)



Application/Introduction

Wireless Transmitter for Floor Sensor Mats. Triggers Nurse Call Receiver, Wireless Falls Monitor or Wireless Pager.

Salient Features

- Connects with
 - i. HFM-01 Hybrid Floor Sensor Mat-Single Fold
 - ii. HFM-02 Hybrid Floor Sensor Mat-Double Fold
- Low battery and Alarm status LED
- Long battery life up to 24 months
- Alerts when Transmitter is “Unplugged” from Floor Sensor Mat
- Constant monitoring communication with receiving device

TECHNICAL SPECIFICATIONS

Product codes	WFT-01
Power Source	CR2450 3V (Not replaceable)
Battery Life	Up to 24 months (Average 10 alarms per day)
Visual Indication	1 LED for Alarm, 1 LED for low battery
ACMA/FCC Specifications	<ul style="list-style-type: none">• Carrier frequencies: 2.4Ghz Confirms To FCC Part 15• RF signal modulation: FSK• Frequency hopping communication with 66 channels
Wireless Communication Method	When there is an alarm, the Transmitter sends a radio signal to Receiver that I am in the alarm. The Receiver acknowledges this alarm and replies back “Well Received”. Otherwise, the transmitter resends the same message at the next available channel until it receives an acknowledgment message from Receiver. Thanks to frequency hopping communication technology, there are 66 communication channels available. Each programmed transmitter periodically sends a radio signal to the Receiver that “I am OK” and Receiver acknowledges the message and replies “Well Received”. When the “I am ok” message is not received by Receiver for a certain time then the Receiver triggers fault alert.
Mounting method	Transmitter should be placed in dedicated pocket of Hybrid Floor Sensor Mat
Water Protection Classification	IPX1
Operating, Storage and Transportation	<ul style="list-style-type: none">• Ambient temperature: +5°C to +45 °C• Relative Humidity: 30% to 85%• Atmospheric Pressure: 700 hPa to 1060 hPa
Dimensions	70 x 40 x 10mm
Weight	35 Grams
Certifications	RCM,FCC,ROHS,CE
What's In The Box	1 x Wireless Floor Mat Transmitter 1 x Quick start guide