FW2-RPT

TWO WAY WIRELESS REPEATER MODULE

CE

CROW

ELECTRONIC ENGINEERING LTD.

INSTALLATION INSTRUCTIONS
P/N 7101365 REV.B

INTRODUCTION

The FW2-RPT extends your home alarm system data reception and the RSSI range of your connected devices.

It receives alarm, status and control messages from the wireless devices and sends these messages to the control panel.
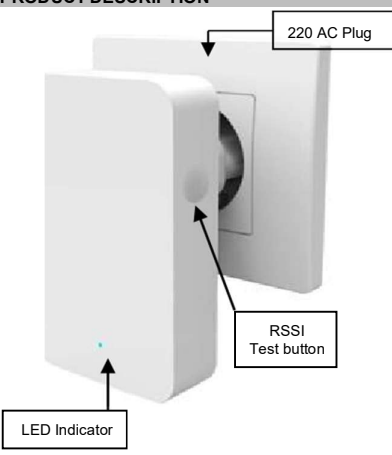
It is supported by Crow's control panels and RF- Tx/Rx UART Modules.

FEATURES

- Extends the range of Two Way wireless devices
- AC powered with a six-hour battery back-up
- Secure ID 24 Bits encryption
- Continuously measures communication quality
- Compact and Easy to install
- LED indications for activity and power failure
- Frequency Band: 868MHz / 916MHz

PRODUCT DESCRIPTION

220 AC Plug

RSSI Test button

LED Indicator

LEARNING PROCESS

Please refer to your control panel installation manual to learn the FW2-Repeater into your system.

1. Proceed with registration of the FW2-repeater into your control panel.

2. Insert the FW2-RPT into the AC plug (220V)

3. Registration proceed is starting, indicated by RED led on the FW2-RPT

As soon as the FW2-RPT is learned, the message "Complete" is displayed on the control panel and the Red LED stops blinking on the device.

TESTING THE FW2-RPT

After learning the FW2-RPT into your control panel, it is recommended to proceed with Transmission and Walk tests.

We suggest you to refer to the "Walk Test Mode" section of your control panel installation manual.

FW2-RPT TRANSMISSION TEST

Push on the "RSSI Test button" located on the right side of the FW2-RPT to initiate a transmission from the device to the control panel.

Check the RSSI level indicated on the control panel display of your control panel to verify the radio reception level.

TAMPER TRANSMISSION TEST

Changing any tamper switch state will cause tamper events transmission. Check the RSSI level indicated on the control panel display.

MOTION TRANSMISSION TEST

Walk crossing in front of the detector will generate motion event transmission. Check the RSSI level indicated on the control panel display.

DELETE THE FW2-RPT

In case the FW2-RPT should be removed from the installation, you just have to delete the registration info into your control panel.

Please refer to your control panel manual to remove the FW2-Repeater from the configuration.

BATTERY REPLACEMENT

The battery is located behind the cover on the back side of the device.

- Lift the cover locker
- Open the battery cover
- Pull out the old battery
- Insert new battery, verify the correct polarity
- Close the battery cover

CAUTION !!!

RISK OF EXPLOSION IF BATTERY IS REPLACED BY DIFFERENT TYPE / MODEL.
PLEASE REFER TO YOUR INSTALLER

TECHNICAL SPECIFICATIONS

Data Protocol	FW2 Protocol
Modulation Type	GFSK
Frequency band	8F – 868.35MHz
	9F – 916.5MHz
Identification	Unique ID serial number – 24 bit
Events Supported from connected devices	Alarm, Tamper, Supervision, Low Bat
Event Transmission	Low Bat (from FW2-RPT)
Supervision Time	7 min (by default) Configurable between 1 to 30 min
Range (open space) 500m	
Operation	100-240VAC, 0.15A, 50-60Hz
Battery Backup	3.7V/250mAh Li-Ion Rechargeable ~ 8 hours back up

Current Consumption

Average	<30 mA
Transmission Power	up to 14 dBM

Operating temperature -10°C to +55°C

Dimensions	98mm x 55mmx74mm
Weight (incl. battery) 120 gr.	

REGULATORY APPROVALS

The FW2-RPT conforms to the essential requirements set out by:

- RED directive: 2014/53/EU
- EMC directive: 2014/30/EU
- LVD directive: 2014/35/EU

Harmonized Standards applicable to this product are:

- EN300220-2
- EN301489-3
- EN301489-1
- EN50130-4:1995+A1(1998)+A2(2003)
- EN61000-6-3
- EN60950-1

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These instructions supersede all previous issues in circulation prior to April 2018