

CB-RPT-8F/9F

TWO WAY WIRELESS SELECTIVE REPEATER MODULE



INSTALLATION INSTRUCTIONS P/N XXXXXXXX

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INTRODUCTION

The ISM band RF CB-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.

FEATURES

- Extends the range of Two-Way wireless devices
- Supports Data messages
- Re-transmit only specific devices messages
- AC Adapter powered with a battery back-up
- AC fail and battery low reporting
- Secure ID 24 Bits encryption
- Continuously measures communication quality
- Low Battery, Supervision transmission
- Tamper indication
- Automatically Re-sync process if the panel didn't ACK to the RPT supervision
- Compact and Easy to install
- LED indications for activity and power failure
- Frequency Band: 868MHz / 916MHz
- Support FOTA (from CP SW Ver. 92.xx)

NOTE: The product is supplied by the factory with a disconnected battery

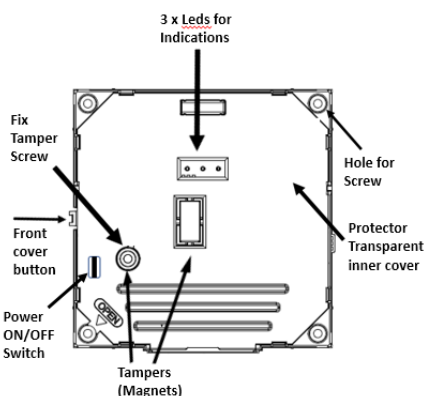
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CB-REPEATER -SELECTIVE



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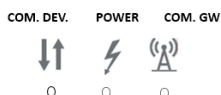
PRODUCT DESCRIPTION



Screws: 5 ST4.2*38

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LEDS INDICATION DESCRIPTION



COM.DEV. – Indicates the communication between GW and the Devices, blinking green Led every 1 sec. indicates communications to device is ok.

POWER – Indicates the power is ON or OFF.
1. Blinking green indicates – AC power is connected and battery is fully charged.
2. blinking red & green – AC power is connected and the battery is charging.
3. Blinking red – AC failed

COM.GW – indicates the communication between CB-Repeater and control panel (gateway), blinking green led indicates device is communicating with control panel.

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PANEL CONTROL – OVERVIEW

Power ON/OFF button - SW1 – used to shut down the repeater when AC fails or disconnected, and turns on the power ON when AC is back or reconnected. (see section 4)

Front cover button – press the button and hold to remove the front cover off the base. (see section 4)



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LEARNING PROCESS

Please refer to your control panel installation.

1. Enter in installing mode via the "installer Webpage"
2. Go to Communication->RF and select the repeater 1-4 # you want to learn.
3. Insert serial number (Device's ID).
4. Save Configuration.
5. Connect the supplied battery to the connector in the repeater.
6. Connect the AC power USB to repeater's USB connector.
Verify: All 3 led are blinking red and green simultaneously for 7 sec- power up successfully
7. Registration proceed is starting, please verify:
1. COM. GW green LED will turn ON 5 sec and then will blink green led every 1 sec – **learn successfully.**
2. COM. GW Red LED is blinking after 5 min.- **learn failed**
8. If learning failed, check repeater details and please repeat steps (3-7)

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TEST THE REPEATER RSSI

it is recommended to proceed and check Transmission from RPT After learning the SH-RPT into your control panel, We suggest you to go to Overview level -> Repeaters section of your control panel and check the RSSI level.

See picture below

NOTE: RPT sends supervision message every 1 minute

#ID	Name	Serial	State	RSSI
1	SELECTIVE	2640293	Ready	

Important Note: every device can be assign to one repeater only

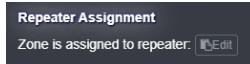
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ASSIGNING DEVICES INTO REPEATER

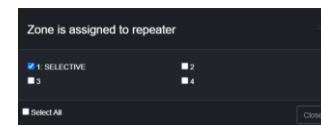
Zones, Outputs, Keypads, Extenders, Doorlock, RMT supported by the CB-REPEATER. Each can be assign in the specific control panel programming level. for Example: zones

Assigning required zones into repeater

1. Enter into control panel programming mode
2. Go to Zones level
3. select zone number to be assigned to the repeater
4. From zone parameters screen find the Repeater Assignment feature and click the Edit button



5. Select the repeater number 1-4 and close the window



5. save configuration
Repeat the same steps for outputs, keypads, extenders, RMT, doorlocks.

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BATTERY REPLACEMENT

The battery is located below the PCB board

- Remove the front cover
- Remove the protector transparent inner cover (see section 4) using the open located at the left corner
- Remove the PCB board
- Disconnect the battery connector
- Replace battery

CAUTION !!!

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

TECHNICAL SPECIFICATIONS

- Data protocol – SH Protocol
- Modulation type – GFSK
- Frequency Band – 868 MHz
- Identification – Unique ID serial number 24 bits
- Events supported from connected devices: Alarm, Tamper, Supervision, Low Bat
- Event transmission: Low Bat, AC Fail, Supervision
- Supervision time – Every 1 minutes
- Range (open space) – 500m
- Power supply output – 5 Vdc
- Battery backup – 3.7V/3aH Li-Ion rechargeable (-48Hours)
- Time to charge – less than 24 hours
- Low battery – 3.65V
- Cut off – 3.3V

Current consumption:

- Average <20mA
- TX Power < 14dBm

REGULATORY APPROVALS

CB-RPT conforms to the essential requirements set out by:

- RED directive:2014/53/EU
 - EMC directive: 2014/30/EU
 - Low Voltage directive (LVD): 2014/35/EU
- Standards applicable to CB-RPT:

- EN300 220-2
- EN50131-5-3
- EN301489-3
- EN301489-1
- EN301489-6
- EN301489-17
- EN301489-52
- EN50130-4
- EN50130-5
- EN 62368-1
- EN50131-6
- EN 50131-3
- EN50131-1

Security Grade 2 Environmental Class II

Certification body: Kiwa Nederland B.V

Power Supply Type A

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CROW ELECTRONIC ENGINEERING LTD. ("Crow") - WARRANTY POLICY CERTIFICATE

This Warranty Certificate is given in favor of the purchaser (hereunder the "**Purchaser**") purchasing the products directly from Crow or from its authorized distributor.

Crow warrants these products to be free from defects in materials and workmanship under normal use and service for a period of 24 months from the last day of the week and year whose numbers are printed on the printed circuit board inside these products (hereunder the "**Warranty Period**"). Subject to the provisions of this Warranty Certificate, during the Warranty Period, Crow undertakes, at its sole discretion and subject to Crow's procedures, as such procedures are from time to time, to repair or replace, free of charge for materials and/or labor, products proved to be defective in materials or workmanship under normal use and service. Repaired products shall be warranted for the remainder of the original Warranty Period. All transportation costs and in-transit risk of loss or damage related, directly or indirectly, to products returned to Crow for repair or replacement shall be borne solely by the Purchaser.

Crow's warranty under this Warranty Certificate does not cover products that is defective (or shall become defective) due to: (a) alteration of the products (or any part thereof) by anyone other than Crow; (b) accident, abuse, negligence, or improper maintenance; (c) failure caused by a product which Crow did not provide; (d) failure caused by software or hardware which Crow did not provide; (e) use or storage other than in accordance with Crow's specified operating and storage instructions.

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This limited Warranty Certificate is the Purchaser's sole and exclusive remedy against Crow and Crow's sole and exclusive liability toward the Purchaser in connection with the products, including without limitation - for defects or malfunctions of the products. This Warranty Certificate replaces all other warranties and liabilities, whether oral, written, (non-mandatory) statutory, contractual, in tort or otherwise.

In no case shall Crow be liable to anyone for any consequential or incidental damages (inclusive of loss of profit, and whether occasioned by negligence of the Crow or any third party on its behalf) for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever. Crow does not represent that these products can not be compromised or circumvented; that these products will prevent any person injury or property loss or damage by burglary, robbery, fire or otherwise; or that these products will in all cases provide adequate warning or protection.

Purchaser understands that a properly installed and maintained product may in some cases reduce the risk of burglary, fire, robbery or other events occurring without providing an alarm, but it is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss or damage as a result.

Consequently, Crow shall have no liability for any personal injury; property damage or any other loss based on claim that these products failed to give any warning.

If Crow is held liable, whether directly or indirectly, for any loss or damage with regards to these products, regardless of cause or origin, Crow's maximum liability shall not in any case exceed the purchase price of these products, which shall be the complete and exclusive remedy against Crow.



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