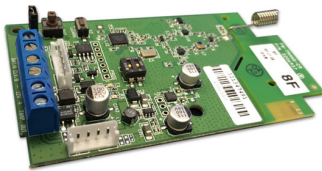


FW2-TRANS- 8/9F

FW2 TRANSCEIVER



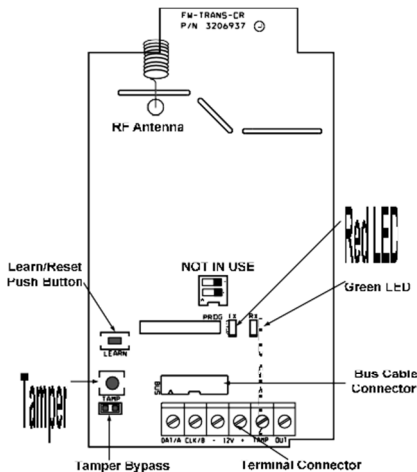
INSTALLATION INSTRUCTIONS P/N 7101937 REV. A

Operation

It is highly recommended to perform factory default before first operation

- Press and Hold the Learn/Reset Push Button (see Figure 1).
- Connect the bus cable while pressing and holding the Learn/Reset Push Button.
- Continue to hold the Learn/Reset Push Button for several seconds till LED's will finish to flash red & green alternately.
- When the LED's stop flashing remove your finger from the button.
- Then slide device into socket.

Fig. 1 - Circuit Layout



Introduction

The FW2-TRANSCEIVER is an advanced product that adds wireless devices support for the "CROW-RUNNER" alarm systems. FW2-TRANSCEIVER includes integrated RF transceiver and an interface with the runner BUS system.

The use of FW2-TRANSCEIVER will enable the user to get back compatibly with CROW 1 way wireless devices together with the supreme 2 way wireless line of devices that uses an advanced

2 way RF transceiver combined with an intelligent communication protocol and a unique 24 bit ID number.

FW2-TRANSCEIVER can be installed in selected runner system case or in an external box while protected by the on boards tamper.

For installation of External Transceiver Box and receiving indications form wireless siren - the FW2 Transceiver should be learned as well, please see and perform the following steps:

- Remove the jumper from Tamper Bypass.
- Go to the runner system guide and follow the necessary steps for defining a new FW detector (P122E 1-16E options 1---5--- must be ON.
- Enter to P164E (learn radio device) 16E (zone 16) and start the learning process.
- While the Runner beeps for indicate learning process begin, press and release the Learn/Reset Push Button for one second and notice the changes over the runner system (learning mode finish).

Technical Specifications

Data Protocol	FW and FW2
Modulation Type	GFSK
Frequency	868.35 MHz / 16.5MHz
Identification	Unique ID serial number – 24 bit
Support:	Runner and Wireless Siren
Range in open space	Up to 500m
Voltage In	9-15V DC
Current Consumptions	max 40mA
Transmit power	< 14dBm
Receive Sensitivity	-110dBm
Tamper Switch	Front Cover Removal
Operating temperature	-10°C + +55°C
Dimensions	99mm x 55mm
Weight:	40 gr.

Compliance with:

- EN 300 220-2
- EN 300 220-1
- EN 301 489-1
- EN 301 489-3
- EN 60950-1
- IEC 60950-1
- EN 50130-4
- EN 61000-6-3



Features

- State-of-the-art 2 way wireless.
- FW2 advanced & secured RF protocol.
- Unique ID 24 bit.
- Support the FW devices.
- Low current Technology.
- Frequency Band: 868/ 916 MHz
- Tamper protected.
- LED indications for monitoring device.
- Range up to 500m on open space.
- Terminal connector.
- Learn button.
- Replacing the FW-RCVR-8/9F.

- Make sure to close the tamper on the transceiver after the learning process ends.
- **Notice** that this zone (16) will be used also by the wireless sirens indication (Low Bat, Tamper, and Supervision).

The Learn/Reset Push Button used also for registered siren inside the transceiver.

For "How to learn siren" use the siren user manual.

Learning Radio device with the FW2 Transceiver:

Use the Runner learning mode – (NOTE : no changes or pressing on Learn/Reset Push Button on the transceiver is required
Reminder: (P122E – Define the wireless zone, P164E – Learning Mode, press and release the tamper of FW2 device.

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These instructions supersede all previous issues in circulation prior to May 2020.