Note: The button functions are fixed and cannot be changed as per the diagram below. The receiver will not respond to rapid attempts to ARM/DISARM. Please wait 2 seconds between arm/disarm attempts.



Panic Function.
The key fob can generate a panic alarm. Holding down buttons 1 and 2 at the same time for 2 secs will cause a panic alarm.

Specifications
Receiver

Operating voltage **R terminal**	5VDC from panel **RED wire**
W terminal	12VDC from panel **WHITE wire**
Data connection to panel	**BL terminal BLUE wire**
Ground return (Negative)	**BK terminal BLACK wire**
Current Consumption	5mA Standby 45mA Both relays operating
Relay Rating	SPDT 1Amp Maximum carry @ 12VDC
Reverse Polarity protection	No
Operating Frequency	433.92mhz
Receiver Type	Superheterodyne AM ASK
Bandwidth	250khz
Antenna	165mm solid 1mm wire
Fob Storage	EEPROM Maximum 21 Fobs
Housing Dimensions	88mm (L) x 68mm (W) x 32mm (H) excluding mounting tabs.
Weight	90g

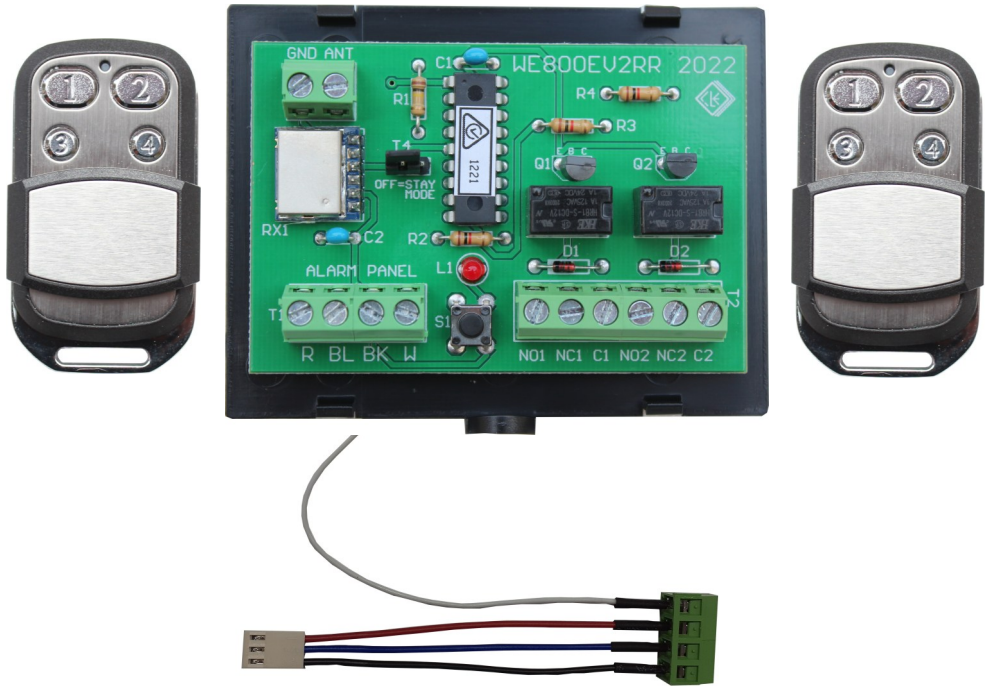
Transmitter (HCT-4R)

Operating Voltage	12V Alkaline Battery GP27A
Operating Frequency	433.92mhz
Bandwidth	380khz
Tuning	SAW resonator locked
Channels	4
Weight	40g including battery
Visual Indicator	Blue LED

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Specifications subject to change without notice in the interest of ongoing product development.

WE800EV2RR
Remote Receiver
RF Arming Kit for Solution™ 2000 , 3000 & 8XX Control Panels

2022 Version



Kit contents excluding housing cover



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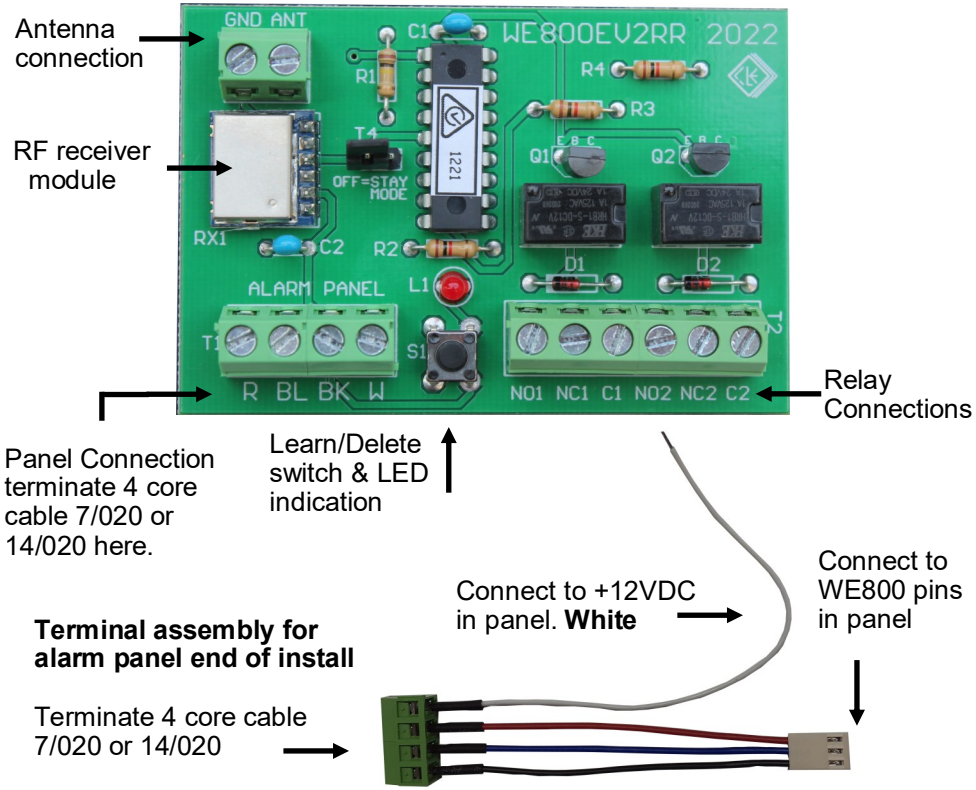
Overview

The WE800EV2RR RF Arming Kit is designed to provide a convenient ON/OFF Control for the Solution 8XX and 2000 / 3000 series of alarm panels. Provision is also made for the control of up to two (2) external devices via on board relays and a third relay with the addition of another receiver.

This RR version (Remote Receiver) allows the WE800EV2 to be located up to **50 metres** away from the alarm panel. Connection is via a single 4 core 7/020 or 14/020 alarm cable.

New Feature - Remove STAY Mode

The 2022 version of WE800EV2RR has provision for the removal of the STAY mode function from the users HCT-4 fob. With the **T4 resistor in place** the STAY mode function will not be sent to the alarm panel when **Button 2** is pressed. This then allows the installer to add another receiver which will receive **Button 2** and operate an extra gate or door for example. Recommended receiver is the HCR-1 which will learn any button.
With the **T4 resistor cut / removed** the STAY mode function will be sent to the alarm panel as per WE800EV2.



Installation and Set up

1. Select a location for the receiver that is away from metal structures as much as possible. Remove the cover of the housing using a flat blade screwdriver
2. Run a standard 4 core 7/020 or 14/020 alarm cable from the receiver to the panel. Terminate the 4 core cable in the supplied terminal block, colour for colour. The white loose wire connects to a +12VDC terminal. The 3 pin connector attaches to the WE800 pins in the panel.
3. The receiver end of the cable terminates in the 4 way terminal block. **R** is the **RED** wire, **BL** the **BLUE**, **BK** the **BLACK** and **W** the **WHITE** wire.
4. Fit the antenna to the ANT terminal RHS of the terminal block. The LHS of this terminal block is GND for a coaxial antenna connection.

It is important that the White wire ONLY connects to the W terminal. Connecting the White wire (+12V) to the R terminal WILL cause the receiver to fail and this will not be covered under warranty.

5. The supplied fobs are already learned to the WE800EV2RR with both relays set for momentary operation. If however a different relay set up is required then the fobs will need to be deleted and learned again as below.
TO DELETE FOBS - Press and **hold** the Learn/Delete switch. Note that the LED will light and then extinguish after 4 seconds. The EEPROM memory is now erased. Individual fob deletion is not possible.
TO LEARN FOBS - Press the Learn/Delete switch once. Note that the LED will flash rapidly. Now press the button on the FIRST fob to be learned corresponding to the relay functions required (see below). The LED will come on solid whilst receiving the transmission and then flash once to confirm learning. Repeat for additional fobs (maximum 21). It is not important which button is pressed on fobs learned after the FIRST as the relay functions are set by the FIRST learned fob.
Relay Programming

Button 1	=	Both outputs momentary
Button 2	=	Output 1 toggling, Output 2 momentary
Button 3	=	Output 2 toggling, Output 1 momentary
Button 4	=	Both outputs toggling

6. Press the Learn/Delete button once when finished learning fobs. If no RF activity occurs the WE800EV2RR will exit learn mode automatically after 20 seconds.

7. Now follow the applicable **Solution**TM panel " **Learning RF fobs**" instructions as set out in the Installation manual. Below example is for 2000 / 3000 panels.

1. Set RF Receiver as WE800EV2 Receiver (**Value 2 in Location 395**) . **2**. Enter the Master Code then [1] and [#].eg: 25801#. **3**. Enter the keyfob number (301 to 332) you want to add (301=fob 1, 302=fob 2 etc) followed by the [#] key. Up to 21 fobs can be added, but only the current fob (1 to 16) displays through zone indicators on the ICON codepad. **4**. The user number will display on the codepad. Press [#] to continue. **5.** When icon numbers (1 to 16) flash, press button 1 or 2 of the fob. The panel learns the WE800EV2 fob ID number and the last digit of RFID number displays on the codepad. Press [#] to confirm. **6**. Enter [#] to confirm the operation or press [*] to cancel.

Delete WE800EV2 Keyfob.
1. Enter the Master Code followed by [1] & the [#] key.
2. Enter the fob number (301 to 332) you want to delete, followed by [#].