

**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.**



### **Specifications Receiver**

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

### **Transmitter (HCT-4W)**

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



## Overview

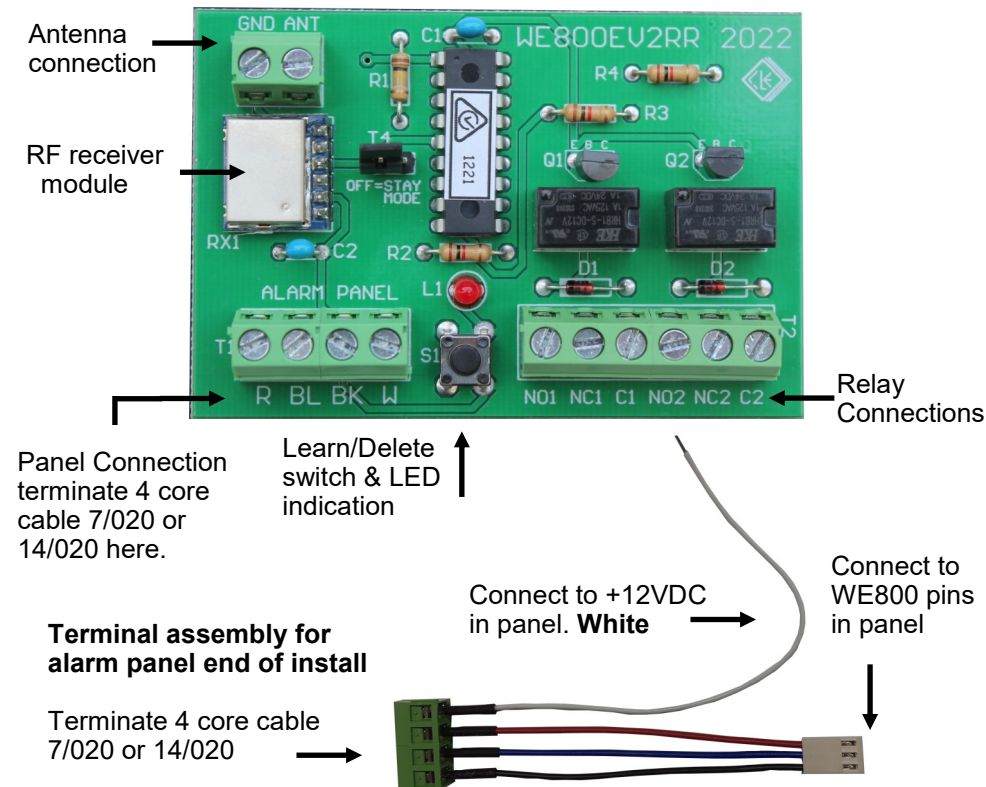
The WE800EV2RR RF Arming Kit is designed to provide a convenient ON/OFF Control for the Solution 8XX and 2000 / 3000 series of alarm panels. Provision is also made for the control of up to two (2) external devices via on board relays and a third relay with the addition of another receiver.

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™** 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 [#].