8. Test Operation.

**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 keyfob 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 3 Pin Connector | 5VDC from Solution Panel |
| +12V Relay Terminal | 9 - 15VDC |
| Current Consumption | 4.5mA 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 aluminium wire |
| Fob Storage | EEPROM Maximum 21 Fobs |

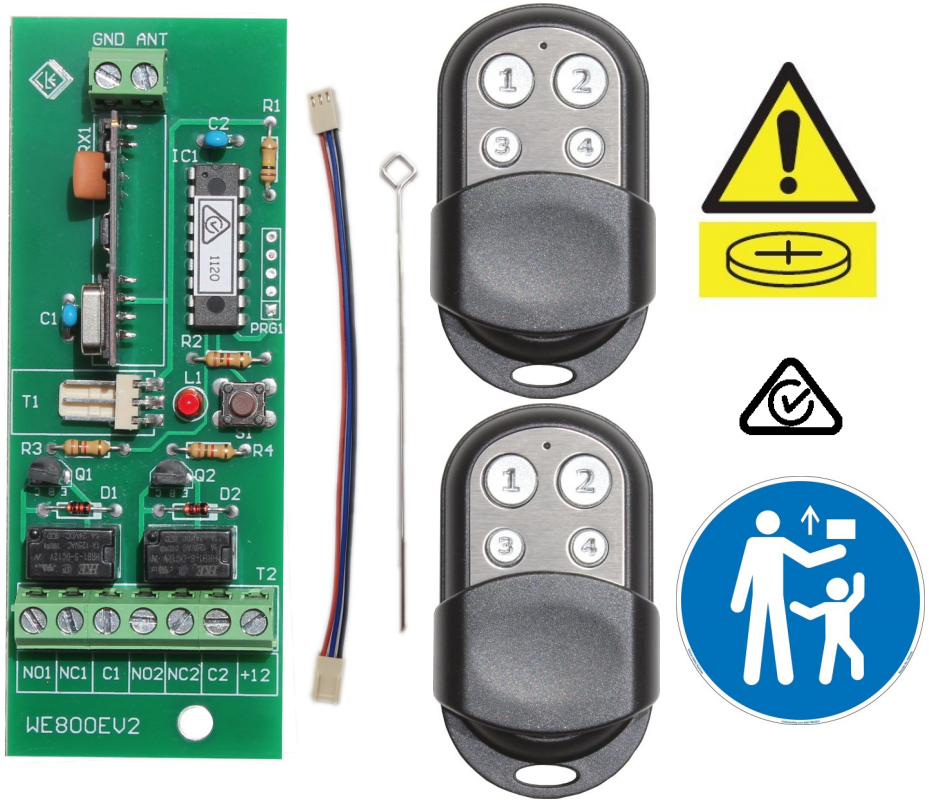
### Transmitter (Fob)

| | |
|---|---|
| Operating Voltage | 3V Lithium Battery CR2032 x 2 |
| Operating Frequency | 433.92mhz |
| Bandwidth | 380khz |
| Tuning | SAW resonator locked |
| Channels | 4 |
| Weight | 24g including batteries |
| Visual Indicator | Blue LED |

Made in Australia by Circuit Level Electronics (Aust) Pty Ltd ABN 51 074 517 570


# WE800EV2

## RF Arming Kit for Solution™ 2000 , 3000 & 8XX Control Panels




## WARNING

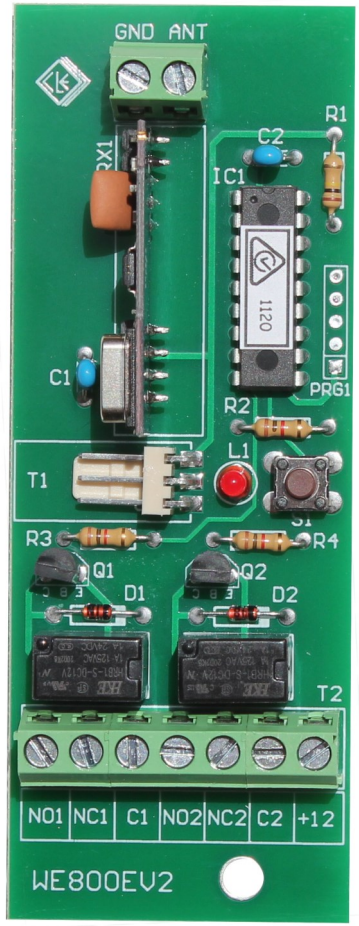
The keyfob remote controls supplied in this kit contain Lithium coin cell batteries. Swallowing can lead to chemical burns, perforation of soft tissue, and death. Severe burns can occur within 2 hours of ingestion. Seek medical attention immediately or **Dial 000**.

## Overview

The WE800EV2 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.

## Features

* Code Hopping RF security
* Simple installation
* Superheterodyne receiver (less interference)
* Robust attractive keyfobs
* Two onboard programmable relays




Antenna connection

RF receiver module

Panel Lead Connection

Relay Connections

Microprocessor

Learn/Delete switch & LED indication

#6 x 3/8 screw or M3 x 6mm bolt fixing to panel housing.

## Installation and Set up

1. Remove small knockout in the Solution™ panel for antenna and insert the supplied rubber grommet. Do not omit this part as the antenna may contact the panel housing which will impact RF performance.
2. Install WE800EV2 PCB in panel with top of PCB in the slot provided at the top of the case and secure with the provided screw at the bottom of PCB.
3. Install antenna wire through grommet into the “ANT” terminal.
4. Connect the 3 pin plug to JP3 in the panel. Note that the connector will only install one way. If the relays are to be used a wire will need to be connected from the +12 terminal on the WE800EV2 to a +12 terminal in the panel.
5. The supplied fobs are already learned to the WE800EV2 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. Note that if no RF activity occurs the WE800EV2 will leave 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 [#].
   **3**. Press the [*] key to delete the fob.