Watchguard™
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INSTRUCTION MANUAL FOR:

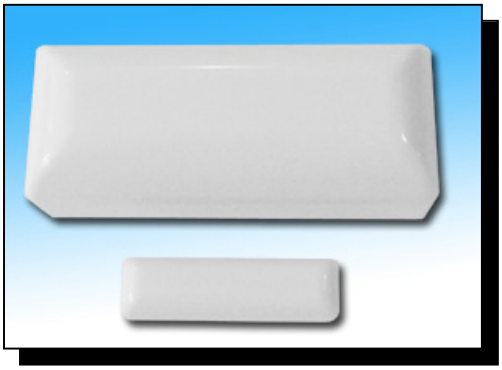
WREED-i

Proudly Designed & Engineered in Australia

Supervised Wireless Indoor Reed Switch / Universal Transmitter

N517

Main Features:



- Wireless Reed Switch for doors or windows, with the in-built option to be used as a universal transmitter.
- Up to 5 years life span from 2 x CR2450 3V lithium batteries
- Utilises Latest Surface Mount Technology.
- Microprocessor Controlled.
- Tamper Protected Case (Top and bottom)
- Sends Alarm, Supervision, Tamper & Low Battery Signals to compatible Rhino receivers (KISSRX,RXPRO,SMS8RX)

Individual Codes Sent To Compatible Receiver:

(The red transmission LED indicator will illuminate each time a radio signal is being sent)

- Reed Open (Transmitted when magnet is moved away from main unit)
- Reed Close (Transmitted when magnet is moved next to main unit)

Note: When the magnet is moved in range of the reed it will transmit a reed OPEN signal followed immediately by a reed CLOSED signal. This it to maintain compatibility across all receiver products as some do not recognize the reed “CLOSE” transmission.

- Low Battery (Transmitted when battery voltage reaches 4.5V)
- Supervision (Transmitted once at least every 2.25 to 3 hours)
- Tamper (Transmitted when either the top case of the main unit is removed, or the main unit is removed from the wall)

Note: A tamper OPEN signal will be sent when the tamper is open and when the tamper is closed it will send tamper OPEN followed immediately by tamper CLOSE. This it to maintain compatibility across all receiver products as some do not recognize the tamper “CLOSE” transmission. Both tampers are connected in series i.e. for a “tamper close” to be sent, both tampers must be sealed but only one tamper has to be opened to send “tamper open”.

Using As A Universal Transmitter:

The universal transmitter terminals are connected in series with the reed switch. To “seal” this zone the universal transmitter terminals must be shorted and the magnet must be next to the main unit.
If only the universal transmitter terminals are required to operate, simply fix the magnet next to the WREED-I. Now the transmitter will send “open” when the terminals change state from short to open and will send “close” when the the terminals change state from open to short.

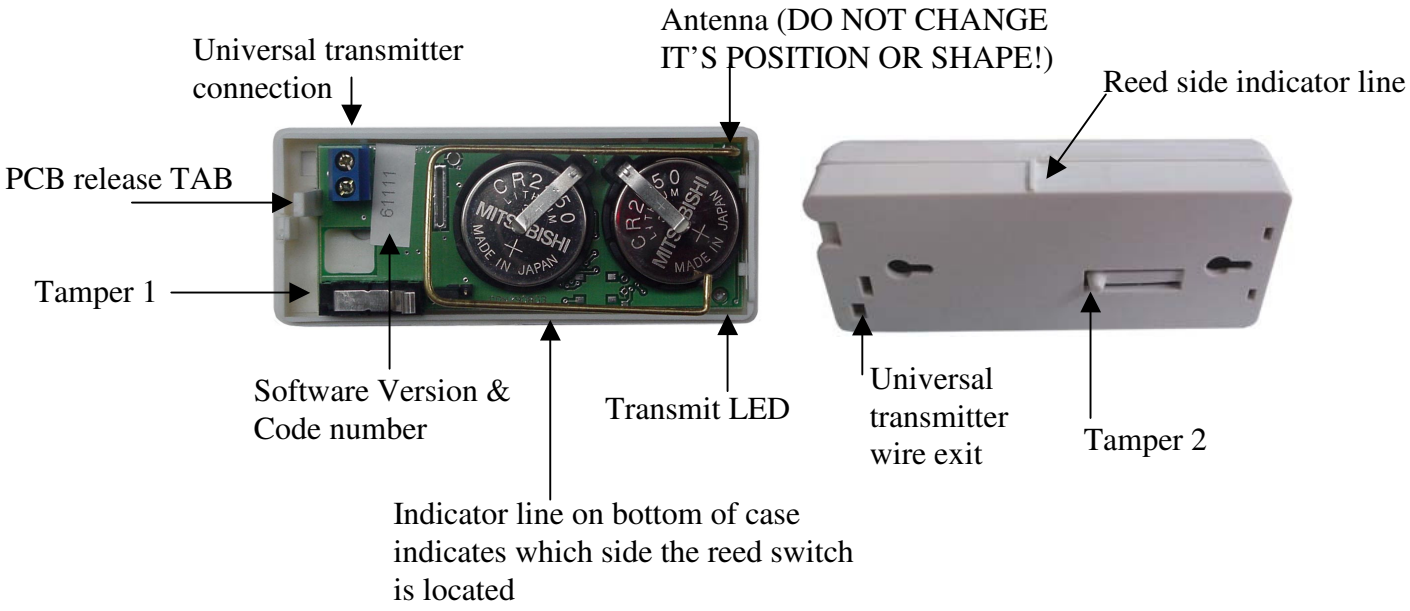
If you wish to use both reed and universal transmitter terminals then the connections to the terminals should be normally closed as on alarm conditions when either the reed or the terminal become open the “open” signal will be sent and “close” when they are both sealed again.

Note: The universal transmitter connections must not have anything other than a switched contact connected to it i.e. nothing that supplies power or draws current. Common connections would be to the alarm output wires from a hardwired sensor (to make it wireless) or any reed / push button switch / other alarm sensor etc Due to the connections being high impedence, cable runs should be limited to 1m, however, up to 5m of cable may work.

Installation:

IMPORTANT!

The universal transmitter will not work if a magnet is not next to the reed switch **and** the reed switch will not work if the universal transmitter terminals are open (not connected).

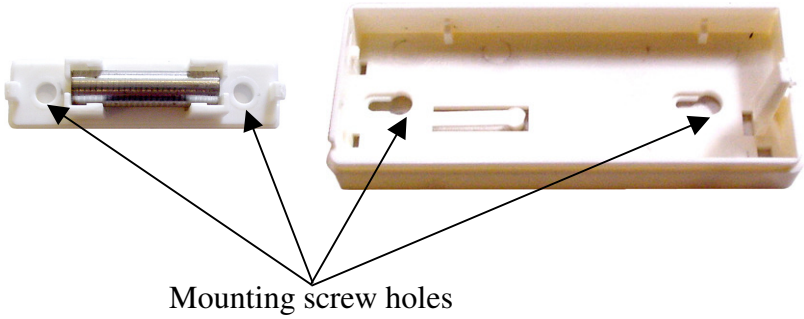


To open the case there is a notch in the end of both the reed and magnet cases that is simply pushed using a small flat head screwdriver to open.

With the main unit, bend the "release tab" away from the board to allow the printed circuit board to be removed and gain access to the mounting screw holes.
Note: The glass tube containing the reed switch is particularly fragile, so take extreme care when removing the PCB. Do not drop or allow other items to come in contact with the electronics.

Using the screws provided, attach the cases to the selected door / window frame.
Note: The maximum spacing between the reed and the magnet should not be more than 10mm apart in the closed position.

Replace the electronics and top cases.



Battery Replacement:

Replacement batteries are model **CR2450** (3 Volt Lithium).The batteries should be replaced every 5 years as a matter of course, or whenever you receive a low battery signal from your alarm. Both batteries must be replaced at the same time. Batteries must be inserted positive (+) side up.