

# Remote ON/OFF Power Switch

## Installation Instructions

### Installation

- Secure Receiver: Mount receiver in an external location with the best all-round reception, usually on top of the application.
- Connect Receiver Connect power supply wires (single red wires) with in-line fuse holder (if required 50mA) to 12-24V AC or DC power source from any power transformer. Polarity is automatic.  
*Note: if a power source suitable for the receiver is not available within the machine the receiver will require an additional transformer module (not supplied), with a 12-24V output connected to the main power supply.*
- Connect "Control Circuit" wire (single white wires) in series with the identified switching location:

- a) Lights
- b) Fans
- c) Contactor coil from application (relay, water pumps, vacuum cleaners).

Control wire is dry relay contact, normally open, rated at 16A, 240 Volts, according to model.

### Indication Lights:

- Green: Open Circuit (appliance is off)
- Red: Flashing continuously (appliance is on)

### Programming:

Note: The ZRID consists of a Receiver control unit (RCU) and a trigger, when dispatched the receiver will only accept the key from the assigned trigger, to assign a different trigger follow the steps below; (Note: The RCU will only accept one trigger and will exclude all others)

#### Programming Steps:

- 1.) Press and hold the red button on the RCU (Red light should turn on)
- 2.) Press the trigger 3 times (ensure trigger light is on each time)
  - 1<sup>st</sup> Press; Red light goes out (cancels previous code on RCU)
  - 2<sup>nd</sup> Press; Red light blinks momentary (code received on RCU)
  - 3<sup>rd</sup> Press; Red light on (code accepted and stored on RCU)
- 3.) Release button (green light should turn on)

Note: Trigger has three operational modes via selection of dip switches on the PC Board of the trigger, 0 - instantaneous, 1 - time delay, 2 - double press. *If the red button on the receiver unit is held for more than 5 seconds, code of trigger is deleted from receiver.*

Programming the double trigger switch to the RCU involves the same process as above but requires the transmitter Red button to be pressed twice. To program successfully, ensure that the trigger light turns on and off before pressing trigger button again.

The new trigger is now programmed to the receiver.

## Troubleshooting:

**Antenna:** For installations on short-range applications the antenna (Grey) wire must be placed outside the appliance if it has a metal casing. For longer range or improved all-round reception the antenna wire can be extended up to 3 times by multiple lengths of 80mm and fitted through the tubing of the (optional) external antenna.

**Transmitter Repeater:** Can be used for difficult operations such as in tanks, pipes, deep trenches or wherever the signal may have difficulty reaching the antenna of the receiver.

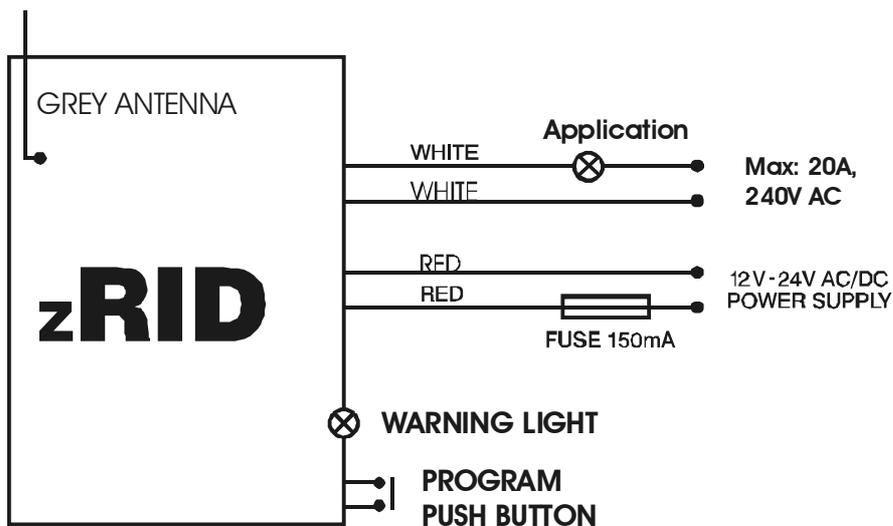
**Trigger:** A light on the trigger indicates both battery level and transmission function, the battery may be replaced. In the event that the trigger doesn't operate the RCU, reprogramme or try an alternate trigger.

*Note: The ZRID unit will only accept the key from the assigned trigger and exclude all others, to assign a different trigger see programming. If transmission length has decreased, the transmitter battery requires replacing.*

**Operation and use:** The user is responsible for the installation and the use of the equipment according to the manufacturer's instructions and specifications.

**Note:** Any additional accessories such as contactors, relays can be purchased from other suppliers with warranty.

## Wiring diagram for connecting zRID Unit to application



**WARNING:** Wrong connection or different power supply can damage the zRID Unit.

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