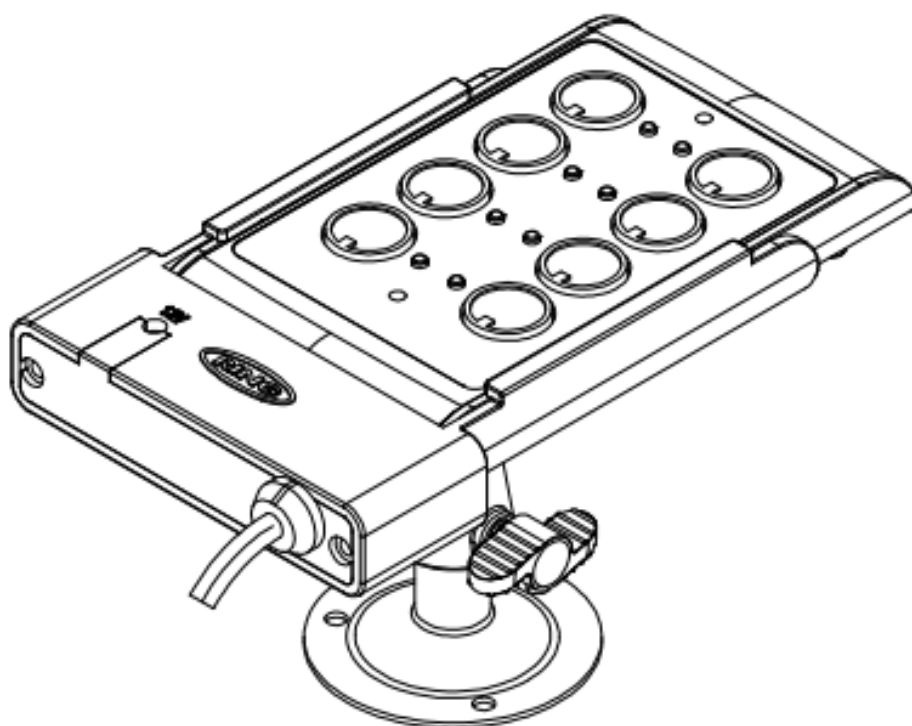
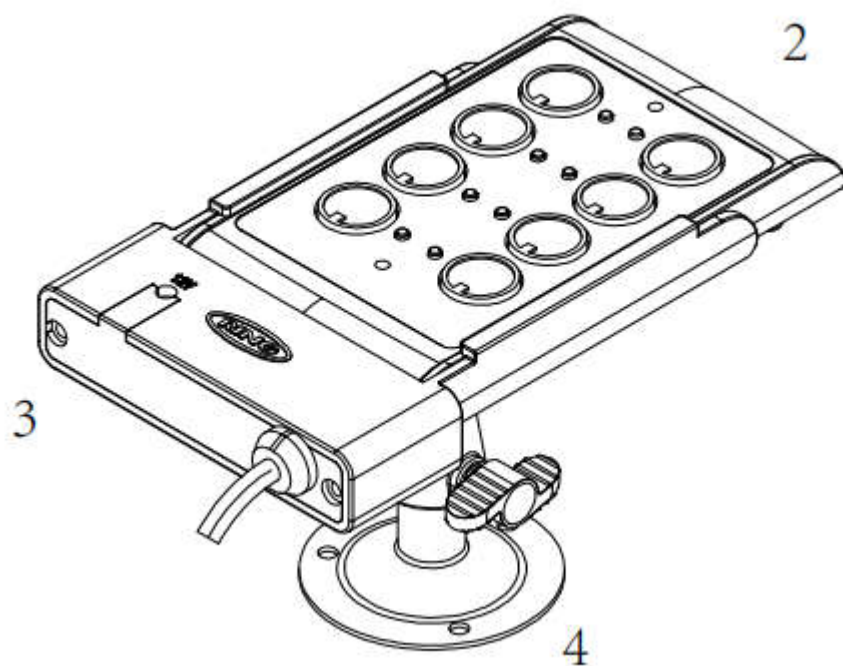


Control Fob RSURC



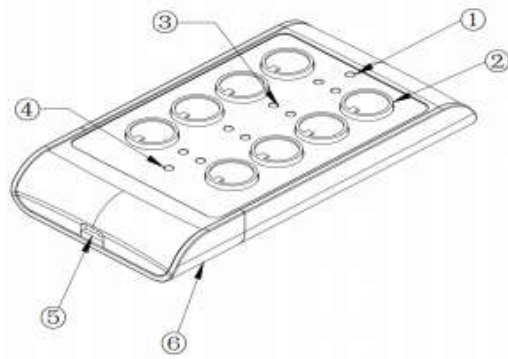


RSURC – Remote Control Fob (see fig 2)

RSUCB – Docking Station for the Remote Control Fob (see fig 3)

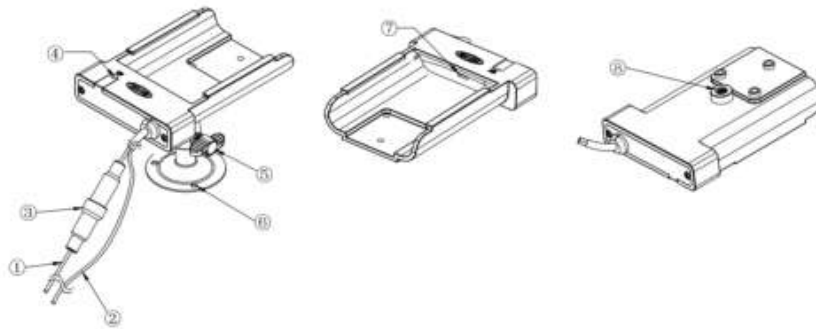
RSUDM – Mounting Pedestal

Icon / Decal stickers and an Overlay Label for the RSURC



- ① Button operation LED
- ② Button (Total of 8 Buttons), each button has a LED for Backlight illumination
- ③ Relay Box Status LED (Total of 8 LED)
- ④ Battery Charge indication LED
- ⑤ Charging Input
- ⑥ Battery Cover

Fig 2 RSURC, Remote Control Fob



- ① Red Input Positive
- ② Black Input Negative
- ③ Fuse
- ④ Power Indicator
- ⑤ Angle adjustment screws
- ⑥ Fixed Hole
- ⑦ Charging output port
- ⑧ Pedestal Fix Hole

Fig 3 RSUCB, Docking Station for Remote Control Fob

3.2 RSUCB, Docking station

The purpose of the docking station two fold. It allows the Remote Control Fob to be placed in a safe position and it supplies power to the Remote Control Fob, to recharge the supplied Lithium ion battery. The power to the Docking station can be connected from

1. Vehicle power, ensure the feed is via the Ignition Switch, i.e Power is only available during engine Running conditions.
2. Auxiliary Power channel on Relay box
3. Ensure Power to the Docking Station is connected by cables supplied and via fused connection block

Docking station can be mounted via fixings supplied. This can be via the Mounting pedestal, or the unit can be fixed to a suitable mounting plate, using the screw points provided (see fig 3).

3.3 RSURC, Remote Control Fob

The Remote Control Fob, allows control of the individual output channels of the Relay box. The Relay Box outputs can be switched on or off via the Remote Control Fob. Each push button switch on the Remote Control Fob allows the user to control one Relay channel on the Relay box. The Remote Control Fob requires a Lithium Ion AAA battery* (supplied with the RSU60 System), in order to operate when not connected/placed in the Docking Station. The battery is installed into the Remote control Fob, via the back access panel (this is located near the micro USB and is retained in position by two screws). When installing the battery, please ensure correct orientation of the battery!

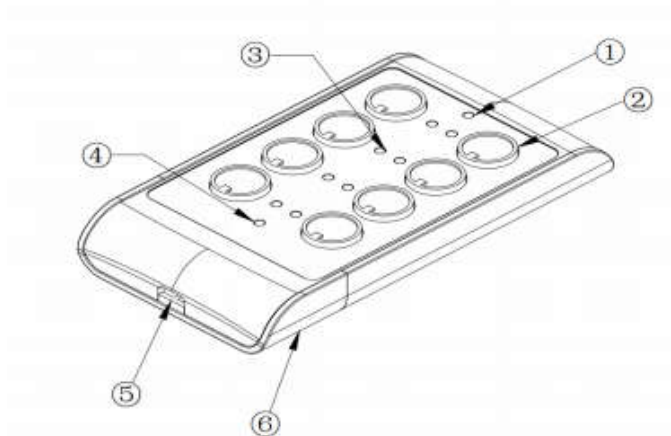
When Battery has been installed, please place Remote Control Fob into Docking Station and allow battery to charge.

***NOTE ONLY A LITHIUM ION, AAA, 3.7V @ 600mAh BATTERY MUST BE USED WITH THE REMOTE CONTROL FOB & DOCKING STATION.**

4. Operation of System

Once RSU60 has been installed. System can be operated using the Remote Control Fob. The Remote Control Fob can be operated when placed in the docking station or out of the docking station (provided the battery is installed). When a push button on the Remote Control Fob is pressed. The following items will be observed.

1. LED 1 will Flash red when button is pressed (see fig 5)
2. LED 3 located next to the button pressed will turn green
3. Relay box Channel LED will also turn on green, if relay channel LED does not illuminate. Switch relay channel off and check Fuse for that channel.
4. Relay channel will now provide power to device connected
5. LED 4 will show charging status
 - a. Flashing Green – Battery Charging
 - b. Flashing Red – Battery low Charge
 - c. Solid Green – Battery fully charged
6. Each button will be illuminated when Remote Control Fob is in Docking station. Note when remote Control Fob is out of the Docking station, these backlight LED's will be off. To conserve battery power.



- ① Button operation LED
- ② Push Button (Total of 8 Buttons), each button has a LED for Backlight illumination
- ③ Relay Box Status LED (Total of 8 LED's)
- ④ Battery Charge indication LED
- ⑤ Charging Input

Fig 5 RSURC, Remote Control Fob

5. Additional Features

5.1 RSURC, Remote Control Fob, Sleep Mode

The Remote Control Fob, has a built in sleep mode function, which becomes active when the Fob is not placed in the Docking Station. The Remote Control Fob will continue to display which Relay Channels are active on the Relay box, but if no user activity is detected in a 10 minute period the Fob will go into sleep mode. All LED lights will be off. To wake the Fob up, the user will have to push a button and the Fob will wake up and commence full operation. In sleep mode the Fob will provide 5 days of full operation, from a fully charged battery.

5.1.1 RSURC, Pairing Function

Additional Control Fobs can be paired with the RSUCPU, Relay Box. The process is described in section 5.2.3

6. Icon / Decal Stickers and Overlay Label

Once the System has been wired up to control the various ancillaries. The Control Fob can be customised to indicate, what items have been wired to each individual relay channel. The system comes with a sheet of icons / decals which can affixed to individual buttons. There is also an additional label overlay, which will cover the entire front face of the Fob. See figs 6 , 7 & 8.



Fig 6 Icon / Decal Sheet

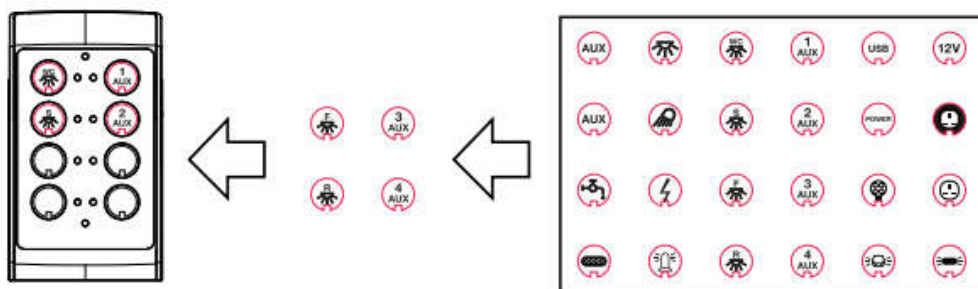


Fig 7 Example showing Icons / Decals affixed to Control fob

FCC Warning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no

guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.