AUTOMOTIVE ELECTRICAL ACCESSORIES

ROADPOWER

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RSP8300

IN-CAR AUXILIARY
SWITCH PANEL

8 BACKLIT PROGRAMMABLE SWITCHES

- 70 USER SELECTABLE SWITCH DECALS
- ON/OFF, MOMENTARY OR PULSATING FUNCTION
- SIMPLE DIY INSTALLATION

INSTALLATION INSTRUCTIONS

RGB BACKLIT COLOURS
FULL RGB PROGRAMMABLE COLOUR OPTIONS

DUAL PANEL COMPATIBLE
OPTIONAL SECOND SWITCH AVAILABLE (RSP8300-SP)

MOUNTING OPTIONS X 4
INCLUDING FLUSH MOUNT

HIGH BEAM MEMORY
UPGRADED HIGH BEAM TRIGGER MEMORY

2 YEAR WARRANTY

INSTALLATION INSTRUCTIONS

1. Disconnect the negative battery terminal from the vehicle battery before proceeding with installation, and to avoid damage to the vehicles electrical system.
2. Identify a suitable location to mount the supplied power module mounting bracket inside the engine bay or as close to the battery as possible, ensuring main battery cables reach between power module and battery.
3. Mount the power module mounting bracket to the vehicle, and the power module to the mounting bracket.
4. Mount the supplied 60A circuit breaker to the vehicle body, connect the main battery lead at 9, 10, 11 & 12 ensuring wires are fed through cable exit. Ensure the supplied circuit breaker is fitted to protect the switch panel, failure to install will void warranty.
5. Determine if your vehicle head lamps have positively or negatively switched high beams.
6. Plug in 3 pin connector 13 (positive switched high beams) or 14 (negatively switched high beams) into power module and pass wires through cable exit.
7. Switches 1 & 5 can be operated only when high beams on the vehicle are in operation to comply with ADR driving light fitment. To activate the high beam input connect the yellow wire 15 to the vehicles switched high beam wire. This can be either positive or negatively switched depending on the vehicle type.
   a. If the vehicle has a positive high beam trigger use 3 pin connector 13.
   b. If the vehicle has a negative high beam trigger use 3 pin connector 14.
   c. If the high beam function is not required, connect the yellow wire 15 to red wire 17 (Acc, Ign or Bat+) and plug the 3 pin connector into 13.
8. Find a vehicle Acc (+) or Ign (+) feed and connect the red wire 17 by splicing and soldering. This will mean all switch functions will default to Off when Acc or Ign are turned off. Alternately connect the red wire to Batt (+) and then all switch functions will need to be turned off manually.
9. Splice and solder the white wire 16 into the vehicles park/dash lamp to enable the switch panel backlight to illuminate when the park lights are activated or Acc/Ign (+) circuit to enable the switch panel backlight to illuminate when the vehicle is running.
10. Connect the outputs 1-8 to your external lighting or accessories ensuring + and - polarity is observed.
    a. Use switches 1 & 5 for high beam triggered outputs.
    b. Check rated current draw of each output from the supplier's specifications or by using an ammeter.
    c. Ensure total combined output load does not exceed 60A.
    d. If larger loads are required, refer to the diagram 22 to add an additional relay which will bypass the load from the switch panel to the external relay.
    e. Ensure fuses are suitable for each load on each of the 8 circuits.
11. Connect the 4 pin plug 18 to the power module running cable through the cable exit and run through the vehicle firewall to the position where the switch panel is to be mounted.
12. Mount the RSP8300 switch panel to a suitable surface clear of heat and moisture using the mounting options supplied.
13. Connect the round 4 pin connector 19 from the power module to the switch panel. A second optional switch panel can be connected via plug 23.
14. Tidy up wiring in engine bay and under dash using split tubing, cable ties and/or similar products.
15. Connect main earth wire from the power module 20 to the vehicle B- terminal 21.
16. Re-connect the main battery negative terminal.
17. Place cover on power module and remove any tools from the engine bay.
18. Turn vehicle on and test switch outputs 1-8.
    a. Ensure high beams are turned on to test switches 1 & 5 if high beam function is used.
    b. Turn park lamps or Acc/Ign and check the backlight function is functioning.

Switch Programming

You have now successfully installed your RPS8300 switch panel, each switch can be programmed to operate in On/Off mode, momentary mode or pulsating mode. To program each switch, follow these steps.

1. Double press the MODE button, all indicators will flash, then press the switch you need to programme until its indicator shows the mode you require:
   - On/Off mode - Red
   - Momentary mode - Blue
   - Pulsating mode - Green
2. Press the MODE again and your settings will be saved (if the setting is not saved within 12 seconds, changes will be lost).

Back Light Colour Programming (RGB)

1. Press the MODE and any selector switch simultaneously, the indicator of the MODE illuminates red.
2. Press or hold the 1 or 4 buttons until the back light turn to the colour you require.
3. Now press the MODE switch and your setting will be saved (if the setting is not saved within 20 seconds, changes will not be lost).

Master On/Off Switch

1. Press On/Off switch momentarily to turn off all switch panel functions.
2. Press and hold for 10 seconds to restore factory settings.

Optional Relay

If loads larger than 20A are required to be run from one of the outputs, an additional external relay can be added to each of the 8 output circuits. One relay can be used on each output increasing the total switchable load by the capacity of each relay. Refer Diagram 22.

- Relay Pin 30 – B+
- Relay Pin 86 – Switch output –
- Relay Pin 85 – Switch output +
- Relay Pin 87 – Relay + output for loads > 20A
- Earth the load to vehicle ground or B-