

**SOLID STATE SWITCH PACK
SP6200 12/24 VDC**

INSTALLATION & OPERATION MANUAL



SPECIFICATIONS

Input Voltage	11 to 28 VDC
Operating Temperature Range.....	-30° C to +65° C
Maximum Current per Output Terminal	15Amp
Maximum Combined Current per System.....	40Amp

IMPORTANT: Read ALL instructions and warnings before installing and using this system.

UNPACKING

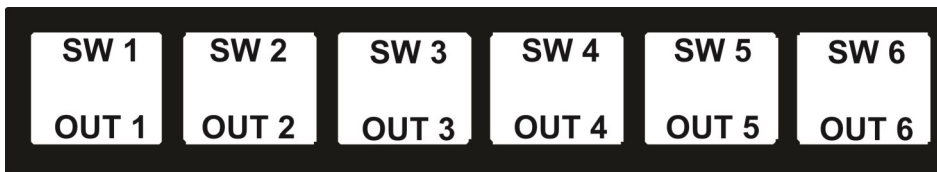
Before beginning any installation, unpack the equipment received. After unpacking, examine **ALL** components received for any damage that may have occurred while in transit. If any damage has occurred, file a claim **IMMEDIATELY** with the courier stating the extent of damage. Check **ALL** envelopes, packing slips, shipping labels and tags before removing or destroying them.

To ensure your satisfaction, open all cartons and report any shortages within 48 hours or receipt.

STANDARD FEATURES

- 6 available switches with backlight, microprocessor controlled
- 6 available OUTPUTS
- Individual interchangeable labels for each switch
- SW1 programmable as MASTER switch (ON/OFF switch **ONLY** if not used as MASTER)
- SW2 thru SW6 programmable as ON/OFF (factory default), MOMENTARY or TIMER (9 sec), as needed.

PROGRAMMING INSTRUCTIONS



Master Switch Programming: Select any of SW2 thru SW6 to be activated by SW1 as MASTER switch.

Step 1: - enter programming mode by holding down SW2 and SW3. When SW1 starts flashing, the system is in programming mode.

Step 2: - turn ON any of SW2 thru SW6 to be activated by SW1 (MASTER).

Step 3: - hold down SW6 to save and exit programming mode.

Momentary Switch Programming:

Step 1: - enter programming mode by holding down SW2 and SW4 at the same time. When SW2 and SW4 turn OFF, the system is in programming mode.

Step 2: - turn ON any of SW2 to SW6 to activate as a MOMENTARY switch.

Step 3: - hold down SW6 to save and exit programming mode.

Timer (9sec.) Switch Programming:

Step 1: - enter programming mode by holding down SW2 and SW5 at the same time. When SW2 and SW5 turn OFF, the system is in programming mode.

Step 2: - turn ON any of SW2 to SW6 to activate as a 9 second TIMER switch.

Step 3: - hold down SW6 to save and exit programming mode.

Note: SW6 will be saved with the status before the saving process.

INSTALLATION & MOUNTING

The Switch Box is supplied with a standard U-bracket, and may be mounted in any convenient well ventilated location.

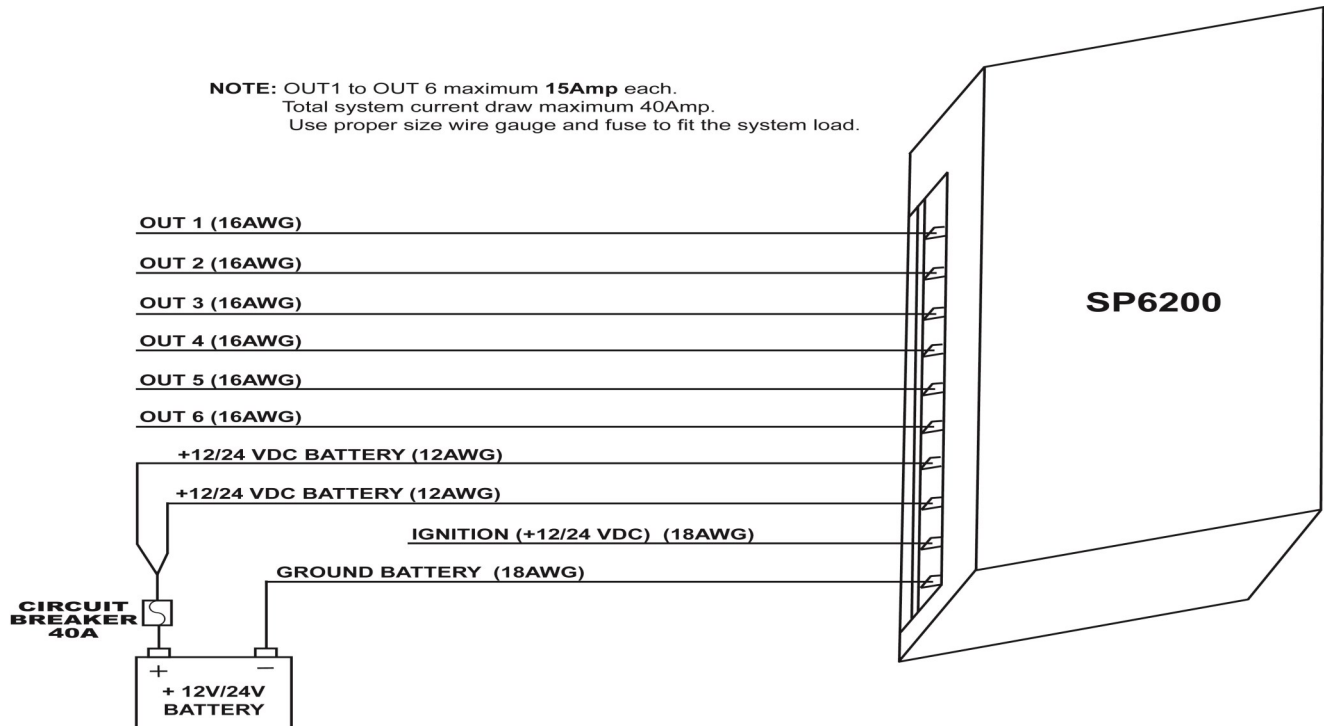
Follow the procedure below, for proper installation:

- remove the U-bracket from the Switch Box.
- secure the bracket with screws and lock washers to the vehicle.
- the external wiring from the controlled equipment can be attached to the appropriate output connection of the Switch Box. Attach the power connection at this time, but do not connect the +12V/24V wire to the battery.
- mount the Switch Box to the U-bracket and connect the system to +12V/24V battery.

Note: It is recommended that the ground connection be taken directly back to the battery. Connection of the ground to the nearest available chassis ground stud may also work. Adjust the angle of the case for optimum visibility and then tighten down the side screws.

WIRING INSTRUCTIONS

Refer to the below wiring diagram, for information on how to wire the switch box to your vehicle. All wires should be terminated with spade terminals to mate with the tabs on the rear of the unit. Use 18AWG wire for the ground and +12V/24V ignition connection. All output circuits (1- 6) must be connected using proper gauge wire depending of the load connected to the output.



PUSH BUTTON LABEL INSTALLATION INSTRUCTION

- 1 Using a Philips No.1 screwdriver, unscrew the 4 mounting screws and remove the labels panel.



- 2 Select the appropriate push button label from the enclosed label packet.
- 3 Orient the label in the proper direction and with the top cover resting on a flat surface, press it on.
- 4 Apply all required labels in the same way.



- 5 When all required labels are placed, re-install the front cover using the mounting screws removed in step 1.

WARRANTY

D & R Electronics warrants its new products to be free from defects in material and workmanship, under normal use and service for a period of one year on parts replacement.

This warranty applies only to original purchasers acquiring the product directly from D&R Electronics, or its authorized dealers. Warranty will not be recognized without proof of purchase or bill of sale.

This warranty is not transferable.

The warranty begins on the date of delivery to the first user/purchaser.

This warranty shall not apply to products which must be repaired due to normal wear and tear, negligence, improper installation, abuse, misuse, or which have been altered or modified at a facility other than D & R Electronics, or its authorized depot centers.

Units proved to be defective within the warranty period, based on an examination by D&R Electronics, will be replaced or repaired at D & R Electronics' option. This warranty does not cover travel expenses or labor charges for removal or installation.

Lamps, flash tubes, batteries or other items considered consumables are not covered under warranty.

This warranty is in lieu of all other express warranties. D&R Electronics makes no warranties, expressed or implied, other than the express warranties contained herein.

PRODUCT RETURN POLICY

In order to provide you with faster service, product returns for repair or replacement, must have a **Return Goods Authorization Number (RGA number)**. Please contact our company to obtain a RGA number before you return the product to D & R ELECTRONICS. Write the RGA number clearly on the package. Be sure you use sufficient packing materials to avoid damage to the product being returned while in transit.

D & R ELECTRONICS assumes no responsibility or liability for expenses incurred for the removal and/or the installation of products requiring service and/or repair. Repairing or replacing product is at the discretion of D & R ELECTRONICS.

D&R ELECTRONICS Co. LTD.

CANADA

8820 George Bolton Pkwy.

Bolton, Ontario L7E 2Y4

Tel: (905) 951-9997

Fax: (905) 951-0019

USA

2299 Kenmore Avenue

Building 3, Doors 11-14

Buffalo, New York 14207

Toll Free: 1-800-538-7338

www.dandrelectronics.com