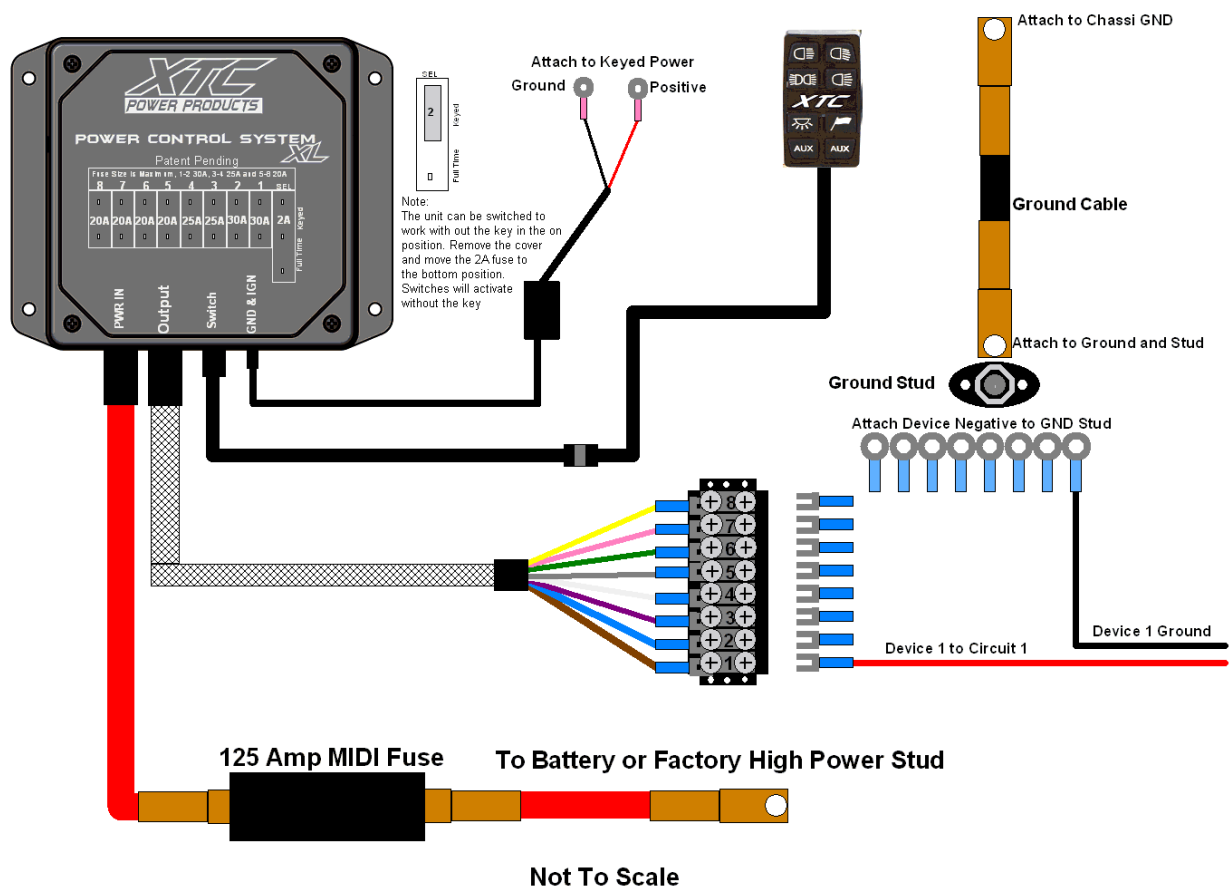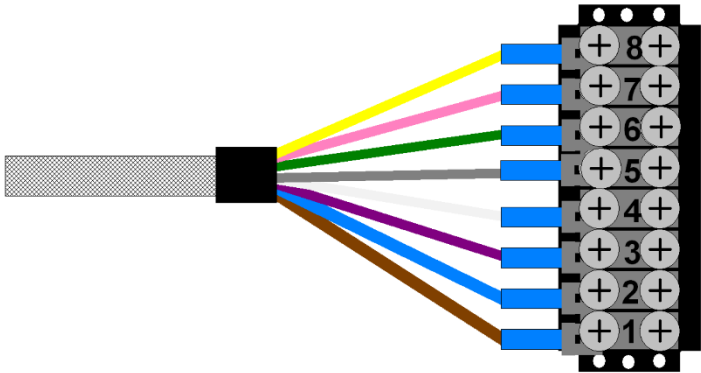# PCS-81 Power Control System

Thank you for purchasing our Plug & Play Power Control System. Please read the instructions fully to familiarize yourself with the components before starting the installation. This Switch System is Universal and can be installed in any 12 vdc system. It comes with the Main Box that has 8 relays and fuses. It is controlled by a Single Solid-State Switch with 8 Buttons. When the key is on the switch backlight comes on and is blue, each button will turn red when the button is pressed, and the device is turned on. The eight button switch fits in any standard one switch cutout. XTC offers many mounting solutions. The units default setting is the key needs to be on to operate, in this setting all 8 circuits will shut off when the key is off. With the full-time setting, the ignition key does not affect the operation, it only turns the blue backlight on, any button that is turned on will stay on until the button is pushed again to shut off that device.

1. Find a suitable place to mount the main control box. It can be mounted under the dash or under the hood. It is water resistant but not waterproof. Do not submerge or use a high-pressure sprayer on it. The switch cable is approximately 6' long so make sure where it is mounted it will reach the switch mounting location Close to a OE power stud or battery
   NOTE: When running wire harnesses make sure to keep them away from any hot or moving parts

2. Connect the 4ga cable to a OE High Power Stud/Busbar or direct to the battery. The system comes with different size copper rings terminals and shrink if needed. These copper ring terminals are Soft Copper and can be crimped with a large standard Crimpers if size needs to be changed.

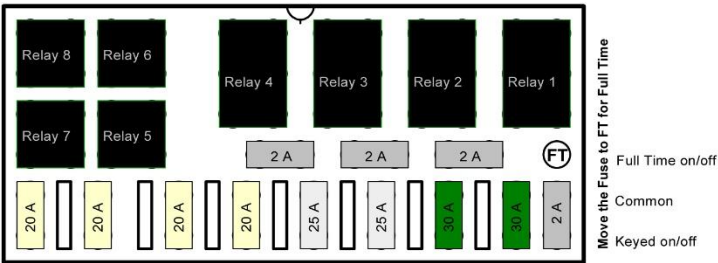3. Mount the output Terminal Strip in a convenient location, this is where all your devices will be wired too.

Power Out Terminal Strip   Ground Stud

4. Mount the ¼" ground stud shown above right near the terminal strip. Run the black 4ga cable to the stud and the other end to ground.
5. Remove one of the blank switch rectangles and install the switch. **XTC offers many mounting solutions**.
6. Plug the 12-pin switch connector onto the Main Box 12-pin connectors.
7. Plug the power cord into the 2-Pin connector, run the red wire to Keyed Power and the black wire to Ground
8. The PCS Comes default to turn on and off with the key. If you would prefer to have it active full time, a 2-AMP fuse can be moved to **FT** Full Time. Remove the cover and move the 2 -AMP fuse next to circuit 1 30-A fuse down to the FT slot.

9. Using the supplied cable ties, secure the harness to the vehicle and verify operation.

Maximum total power for the system is 100 AMPS distributed between the 8 circuits

The following is the guide to wire the unit. The output for each Circuit is Maximum. If the device uses less power change the fuse in the PCS to the manufacture recommendation. Never run a larger fuse than the device calls out. Included is Spade connectors to attach power wire to the terminal strip. Also included are ring terminals for the ground wire

Circuit	Color	Max Out	Gauge
1	Brown	30	12
2	Blue	30	12
3	Violet	25	14
4	White	25	14
5	Gray	20	14
6	Green	20	14
7	Pink	20	14
8	Yellow	20	14

1 BRN	2 BLU
3 VIO	4 WHT
5 GRY	6 GRN
7 PNK	8 YEL

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