



## How to set-up the Flasher/Strobe System in the PCS-72S

Thank you for purchasing the PCS-72S. In order to maximize the use of the system, we will review the system operation. The PCS-72S is a seven switch two relay system with a two channel Flasher/Strobe system built in. The unit has two relays controlled by the first two switches, the third switch turns on the strobe circuit and switch four, five and six are direct connect circuits. switch 7 is a momentary switch that changes the flash pattern and is on a separate harness.

We will discuss the system in the following order.

1. Two relay circuits
2. Three direct circuits
3. Strobe/flasher circuit, how to make it work in different configurations.

1. The two relay circuits are used for high current devices. The power for the device does not go through the switch, the switch is used to activate a high power relay. The Switch uses smaller wire that only has enough power to engage the relay. The two relayed circuits would be used for large light bars.

2. The three direct circuits the power goes through the switch then to the device. These circuits are best used for lower power devices like area lights, interior dome lights, whip lights, reverse lights, rock lights, stereo activate and intercom.

3. The Flasher circuit has both a right and left output, in this way you can create patterns that can go up and down or right and left or both. If set correctly you can flash certain lights or make them stay solid without stopping other lights.

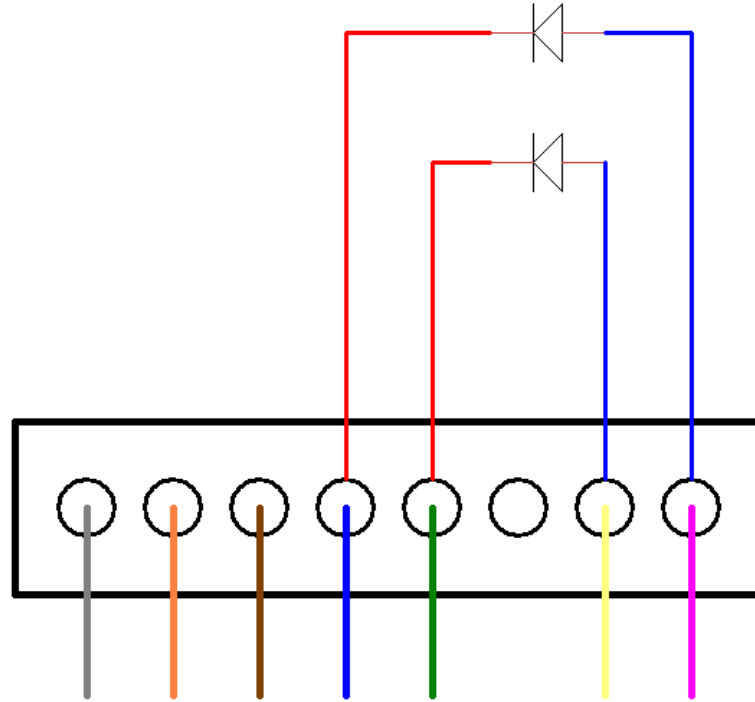
If you want to flash lights that are on another switch so that you can make them solid or flash, then you would install a jumper wire from one of the flasher circuits over to the light to be flashed, if you want to have multiple lights hooked up to each side of the flasher then you would need to install Diode jumpers so you can protect the flasher circuit from being turned on from any of the other lights.

### Sample

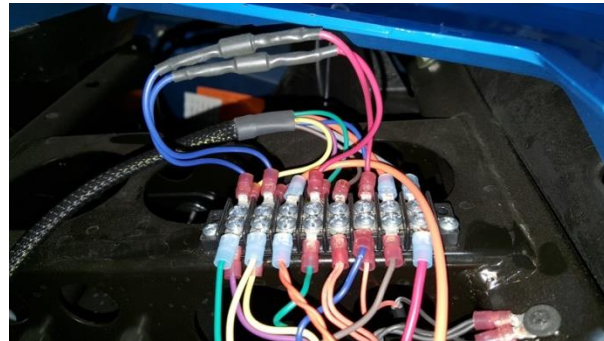
You want to flash four 3/4" lights - a right and left on the front and a right and left on the rear. The right lights would be hooked up to the yellow flasher output and the left lights would be hooked up to the violet flasher circuit. Next you want to flash your whip light and or your rear backup lights, if you were to hook a jumper directly from the flash circuit to one of the other on/off circuits, when turned on the power from the

solid switch circuit would also light up the 3/4" flasher light circuit. To solve this, you would install a Diode Jumper so that the flasher power can go to the whip, but the whip switch power cannot go back in to the flasher circuit. The diode only lets power go one way. The Blue diode wire is the input and the red is the output, any power applied to the red will not go through to the blue, any power hooked to the blue will go through to the red.

**<- Power only goes one way**



**To PCS Control Box**



**PCS-DIODE-W**

**Diode jumped across circuits**

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