

Traffic Light Circuit (#201)

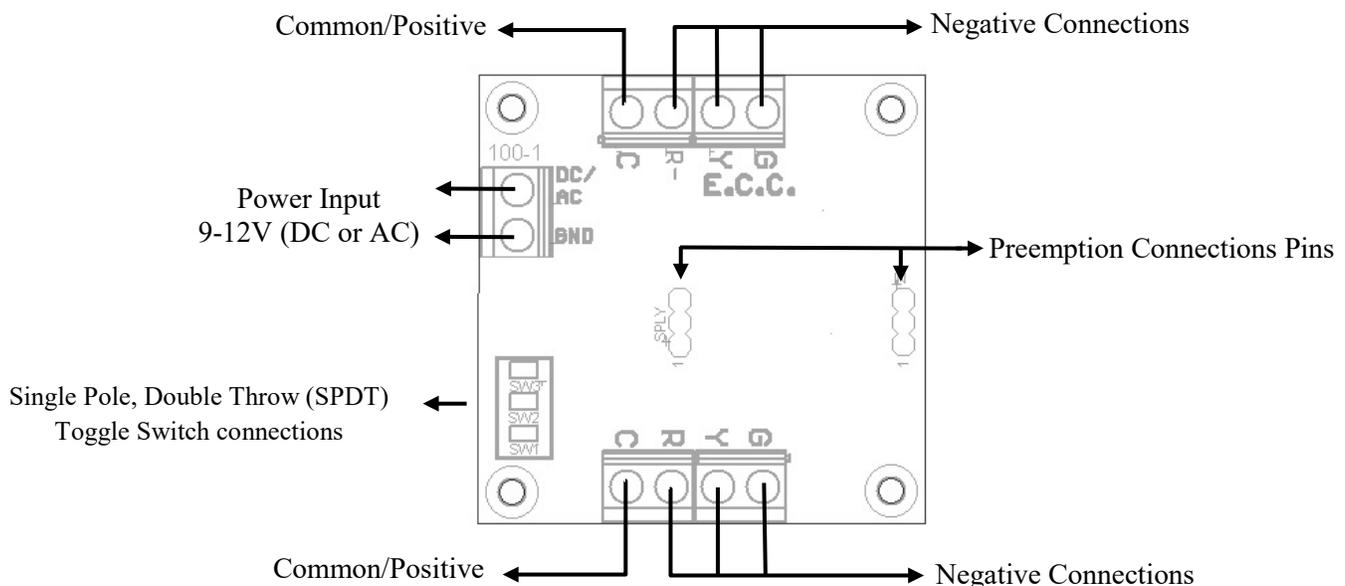
Instructions

Getting Started

Thank you for purchasing an E.C.C. electronic device. Please take a moment to read and familiarize with the following instructions prior to installing this circuit. The Traffic Light 1.0 (TL-1) simulates the normal operation of a Traffic Light.

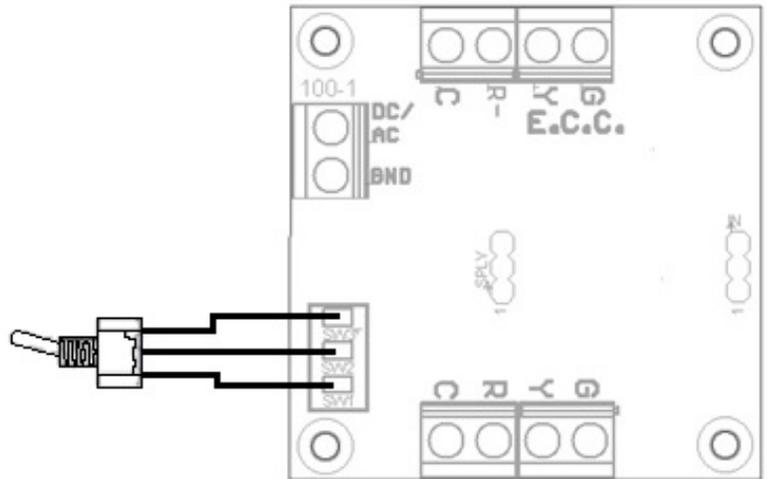
The Traffic Light 1.0 operates as described next. Terminals **R**, **R-**, **Y** and **G** illustrate the wire connections for the negative or colors wire leads from your traffic light. **R** and **R-** (**Red**), **Y** (**Yellow**) & **G-** (**Green**). Terminals **C** illustrates the **Common** or **Positive**. The Traffic Light 1.0 is able to handle 4 single lane traffic lights, 2 double sided or 2 four sided traffic lights such as the Walther Cornerstone Series Traffic Lights. Multiple signals can be connected using the same output terminals.

You should make all connections to the circuit prior to applying power. You can mount this circuit anywhere. We suggest mounting the circuit under the layout using #4 screws or near the structure being animated. The circuit is equipped with holes for easy mounting; do not enlarge holes or cut jumper wire (**Unless you're installing a Single Pole, Dual Throw SPDT - ON/ON Switch**) as doing so can cause damage to the circuit and will void your warranty.



Additional Feature

This circuit is equipped with a night time operation sequence or caution and stop which consist of having the yellow and red lights flash, this sequence is usually used at night for intersections with low traffic volume. The road with minor movement (less traffic) gets the Red flashing light and the road with the major movement (more traffic) gets the yellow flashing light. For this feature to be triggered a Single Pole Double Throw (SPDT) or ON/ON Switch is required. Solder the outer switch connectors to the outer solder pads on the circuit labeled **SW1** and **SW3** and the center switch connector to the center solder pad on the circuit labeled **SW2**. If your circuit



is equipped with a jumper wire please cut or de-solder the jumper wire before soldering the switch. Once the switch is installed you will be able to select between normal operation and caution and stop features.

Power

The **Traffic Light Circuit** will draw approximately 26mA under a full load. This circuit is designed to operate under any straight DC or AC current provided that the voltage doesn't exceed **12V**. If you are using a power pack transformer we strongly recommend using the fixed AC output terminals. Exceeding the Power requirements will cause the circuit components to overheat and eventually fail, and will void the warranty.

Warranty

This Circuit is warranted to be free from defects in workmanship and materials for a period of ninety (90) days from the date of purchase. This warranty covers all defects experienced during normal operation with the exception of the following conditions:

1. If current or voltage limitations have been exceeded
2. If product has been modified in any way (e.g. Missing/Additional Components, Soldering)
3. If product has been mishandled or abused.

Requests for warranty service must contact us first to receive a RMA (Return Merchandize Authorization) at eastcoastcircuits@gmail.com. In addition, please include a written description of the issue and original receipt.

Support

We hope the foregoing instructions are adequate for answering any questions you might have about the installation and operation of this circuit. However, if you still have any questions or problems with your circuit, technical support is available through email at eastcoastcircuits@gmail.com.

Warning:

This product is not a toy. Keep away from children. It is not suitable for children under the age of 14, as small parts and/or broken parts may present a choking hazard. If swallowed, seek immediate medical help. This product contains known Chemicals which are known to the state of CA to cause cancer, birth defects, or other reproductiveharm.