

East Coast Circuits

Burning Fire Circuit 1.0 (#302)

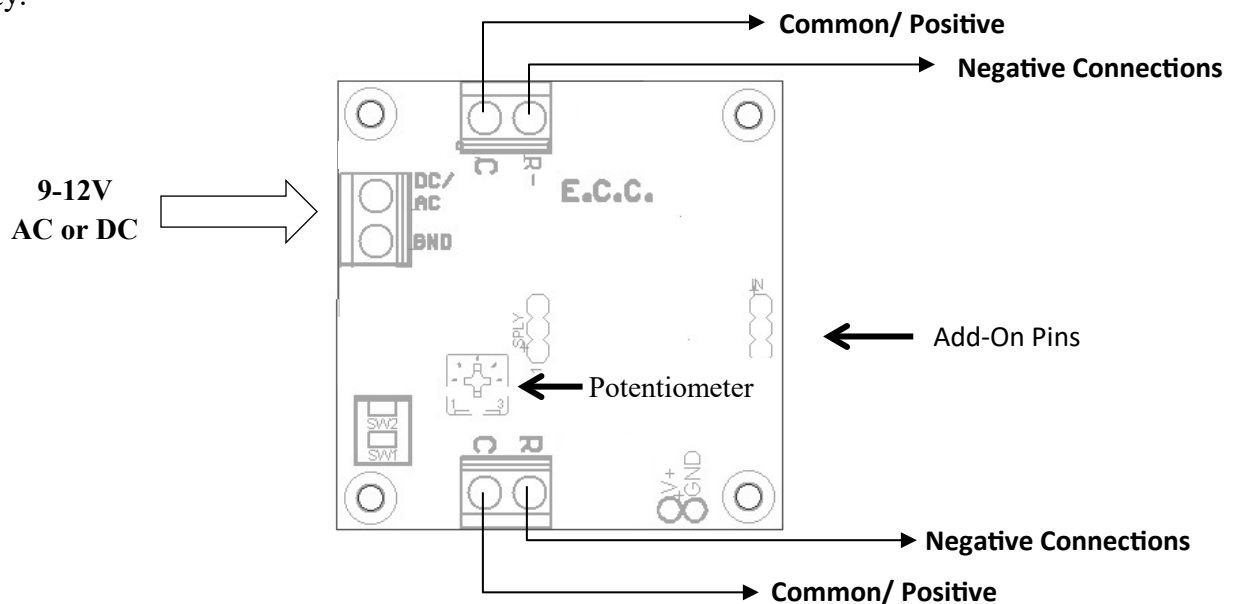
Instructions

Getting Started

Thank you for purchasing an E.C.C. electronic device. Please take a moment to read and familiarize yourself with the following instructions prior to installing this circuit. The Burning Fire Circuit (**BFC-1**) simulates the behavior of a fire or flame. This circuit is suitable for camping scenes as well as recreating the very unfortunate event of a building or house on fire. The BFC-1 can be used in conjunction with 3rd party smoke machines to intensify the effect.

The Burning Fire Circuit (**BFC-1**) operates as described next. Terminals labeled “**R and R-**” illustrate the wire connections for the negative lead of the LED’s and terminals labeled “**C**” illustrate the common or positive. Once power is applied to the board operation of the circuit will commence by flickering the LED’s in a flame type pattern. Flicker rate can be adjusted by turning the potentiometer to simulate an intense or mild fire depending on the scene. The **BFC-1** handles up to four (4) LED’s at once (Two LED’s per output terminal). We recommend using SMD or 3V, 3mm LED’s where possible.

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 or inside the structure being animated. The circuit is equipped with holes for easy mounting. Do not enlarge holes as doing so can cause damage to the circuit and will void your warranty.



Power

The **Burning Fire Circuit** will draw approximately 10mA 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**. 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. We currently accept PayPal at this time.

Support

We hope the above-mentioned 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 reproductive harm.

REV 08/18