

# CONTROL CIRCUIT TRANSFORMER

## Installation Instructions

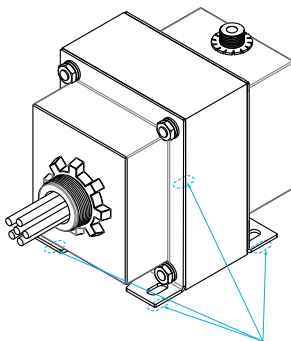


c3controls' line of Control Circuit Transformers are well-designed and optimized devices to cater not only to residential and commercial HVAC/Building Management Systems (BMS) but also a wide range of industrial applications. Ranging from 20 to 300 VA, these transformers offer various primary voltage options, including 480/277/240/208/120V, and feature a 24V secondary voltage (with many possessing Class 2 output). Furthermore, they possess the versatility to replace transformers with matching primary voltage and equal or lower VA ratings.

### INSTALLATION:

1. Before commencing installation, disconnect the power supply to prevent the risk of electrical shock or damage to equipment.
2. Transformers are foot-mount, using M4 screws and are equipped with a 0.5" NPT hub which is compatible with both steel and PVC conduits.
3. Establish the connection for the Secondary Voltage. Follow the voltage / terminal color coding provided on the transformer (same as specified in the table below) to ensure accurate wire pairing.
4. Establish the connection for the Primary Voltage. Follow the voltage / terminal color coding indicated on the transformer (same as specified in the table below) to ensure proper wire pairing.
5. Safeguard against potential electrical shorts by securely taping all unused exposed wires individually.
6. Prior to completion, thoroughly inspect the installation and then reconnect the power supply to verify optimal functionality.

PRIMARY VOLTAGE (AC)	LEAD COLORS	SECONDARY VOLTAGE (AC)	LEAD COLORS
COMMON	BLACK	COMMON	YELLOW-WHITE
120V	WHITE		
208V	RED		
230/ 240V	BLUE	24	YELLOW
277V	BROWN		
480V	GREY		



Holes On Panel Surface For Foot Mount



### **WARNING**

- Disconnect power before proceeding with any work on this equipment.
- Installation and maintenance by technical personnel only.
- Install products in accordance with the operation instructions and the NEC (U.S. National Electrical Code) regulations or local applicable codes and standards.