

CX-TRK-2450 Transformer & Rectifier

INSTALLATION INSTRUCTIONS

The Camden CX-TRK-2450 is a VDC power supply that is built with a 24V50VA transformer wired to a rectifier to provide an ~ 24VDC 2amp output.

1. THEORY:

A rectifier is comprised of 4 diodes arranged in a bridge layout to convert the high/low peaks of a VAC sine wave to a VDC level.

Note: This VDC output is not filtered or regulated and will produce VAC ripple on the VDC output. In most cases, this output will be good enough to be used on most VDC driven locks, sounders, etc, but may cause undesired operation on electronic circuit boards where clean power is needed.

2. WIRING:

On the rectifier you will have four wires. One pair is for the VDC output to power your VDC device, and the other pair is to be wired to the secondary of the transformer.

Step 1: The red wire connected to the "+" terminal will be wired to the positive terminal of your VDC powered device.

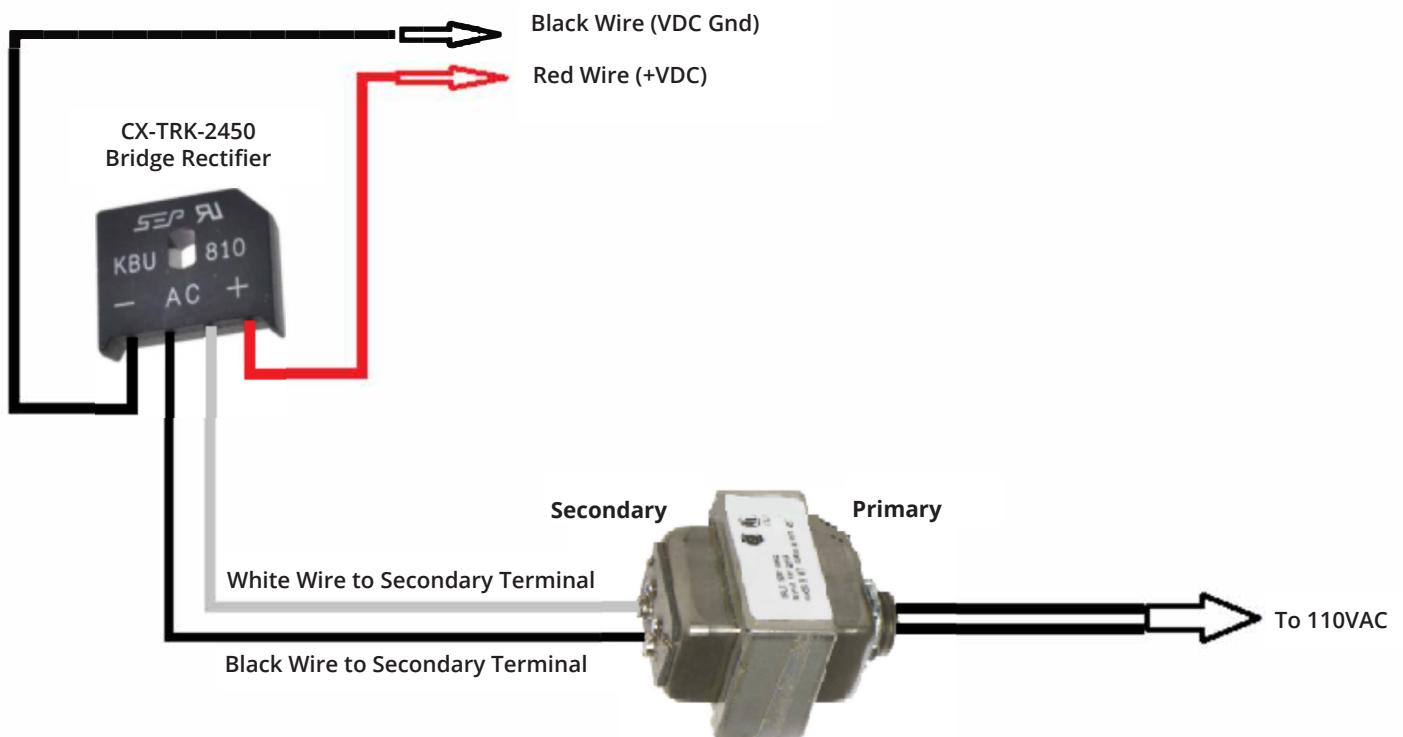
Step 2: The black wire connected to the "-" terminal will be wired to the ground terminal of your VDC powered device.

Note: The white and black wires on the rectifiers "AC" terminals do not observe polarity and can be wired to either screw terminal on the transformers secondary.

Step 3: The black wire connected to "AC" terminal will be connected to one terminal screw on the secondary of the transformer.

Step 4: The white wire connected to "AC" terminal will be connected to the remaining terminal screw on the secondary of the transformer.

Step 5: Connect the primary of the transformer to the 110VAC line voltage.



3. DIMENSIONS

