

External Potentiometer wiring for CBC-300 Series Controls

Enclosed Models

CBC-300-1

CBC-300-2

CBC-300-3

Depending on which control is being used, options for external potentiometer are available via terminal blocks on the PC board of the unit.

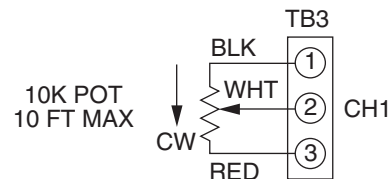
- ☐ 1. For CBC-300-2 only, remove the internal torque adjust knob.
- ☐ 2. Remove the four screw that hold the bracket assembly and PC Board to the chassis. This step applies to all versions of the enclosed models.
- ☐ 3. Based on which model being used, route the potentiometer cable(s) through one of the conduit entrance holes on the bottom of the unit and wire to the appropriate terminal block on the PC board. Refer to the wiring diagrams below for the proper connections.

CBC-300-1

External Current Limit Adjustment

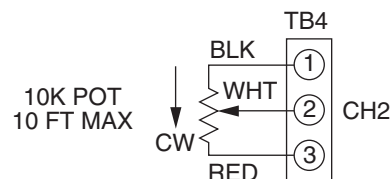
- ☐ 1. Wire the external current limit potentiometer to Terminal Block TB-3 for Channel 1 and TB-4 for Channel 2 as shown in the diagram. (See Figures 6 & 7)
- ☐ 2. If the accessory potentiometer kit is used, wire the potentiometers per the colors as shown in the diagram.
- ☐ 3. Make sure all terminals are securely fastened and the wiring cable is secured so that it can't pull loose from the terminals.

TB-3 **CBC-300-1, CBC-300-1C** External Current Limit Adjust



(Figure 6)

TB-4 **CBC-300-1, CBC-300-1C** External Current Limit Adjust



10K, 2W POT
10% TOL, LINEAR OR
6011-101-002
ACCESSORY KIT (1)

(Figure 7)

CBC-300-2

External Level Adjustment with Internal Current Limit Adjust

- ❑ 1. Wire the external level adjustment potentiometer on Terminal Block TB-2 as shown in the diagram. (See Figure 5)
- ❑ 2. If the optional accessory potentiometer kit is used, wire the potentiometer per the colors as shown in the diagram.
- ❑ 3. Make sure all terminals are securely fastened and the wiring cable is secured so that it can't pull loose from the terminals.

Note: The level adjustment controls both the Channel 1 and Channel 2 outputs from 0 maximum as set by the current limit adjust potentiometers.

- ❑ 4. After the pot(s) have been wired to the appropriate terminal block(s), mount the PCB and bracket assembly and reattach to the chassis with the four screws removed in step 2 above.
- ❑ 5. For the CBC-300-2 reattach the internal potentiometer knobs.
- ❑ 6. Double check all wiring connections for the potentiometer(s) and the main terminal block to insure proper connections.

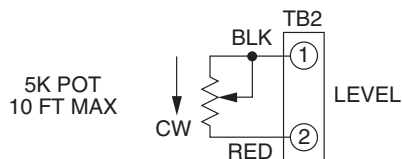
CBC-300-3

External Current Limit and Level Adjust

- ❑ 1. Wire the external current limit adjust potentiometer to Terminal Block TB-3 for Channel 1 and Terminal Block TB-4 for Channel 2 as shown in the diagram. (See Figures 6 & 7)
- ❑ 2. If the optional accessory potentiometer kits are used, wire per the color codes as shown in the diagram.
- ❑ 3. Make sure all terminals are securely fastened and the wiring cables are secured so that it can't pull loose from the terminals.
- ❑ 4. Wire the external level adjust potentiometer to Terminal Block TB-2 as shown in the diagram. (See Figure 5)
- ❑ 5. If the accessory potentiometer kit is used, wire per the color codes as shown in the diagram.
- ❑ 6. Make sure all terminals are securely fastened and the wiring cable is secured so that it can't pull loose from the terminals.

Note: The level adjustment controls both Channel 1 and Channel 2 outputs from 0 maximum level as set by the current limit adjustment potentiometers.

TB-2
CBC-300-2, CBC-300-2C
External Level Adjust w/Internal
Current Limit Adjust



(Figure 5)