

Brownout Feature

In the event of a power failure this feature automatically "turns off" connected motorized circuit breakers or relays that were commanded on and "turns on" Breakers when power is restored.

The SC board is delivered with the brownout feature enabled on all 10 channel positions. With the following instructions individual channels can be set to ignore a brownout or loss of power and not switch off.

To change this, using the following setup instructions:

1. Place a shorting jumper at the "BO" position at location J3.
2. Apply power to the SC-10 board. This enters setup mode.
3. The top five green channel LEDs, 1-5, will blink momentarily, and the "Receiving" and "Status" LEDs will continually blink together, indicating you are in setup mode.
4. Use the red test button to step through the breakers/relay channels, starting from the top at channel #1.
5. Alternating presses of the green test button will toggle each channel from OFF to ON, or ON to OFF.
6. When the channel position is selected a slow blinking green LED means the channel will follow brownout function and fast blinking green LED indicates that the selected channel / position will ignore Brownout control. (For example, if you want all of the breakers/relays to remain where they are at if there is a loss in power, set all green LEDs to be ON.)
7. To save the setting into non-volatile memory remove power completely from the SC board and wait for the storage capacitor to drain. Loss of power in setup mode will write the setting to NV-RAM. (Wait until the "Receiving" and "Status" LED's are completely off to guarantee that the settings are saved and be sure that the "BO" jumper at J3 is removed before re-energizing the board.

Emergency Off Feature

Allows selected positions or channels to turn off in the event of a contact closure between the EO and COM terminals. The SC board is delivered with the emergency feature enabled, to turn off all channels positions with a contact closure. To change these settings, follow these setup instructions:

1. Place a shorting jumper at the "BO" position at location J3.
2. Apply power to the SC-10 board. This enters setup mode.
3. The bottom five green LEDs, 6-10, will blink momentarily, and the "Receiving" and "Status" LEDs will continually blink alternatively, indicating setup mode.
4. Use the red button to step through the breakers/relays, starting from the top.
5. Alternating presses of the green test button will toggle each channel from OFF to ON, or ON to OFF.
6. When the channel position is selected a slow blinking green LED means the channel will follow brownout function and fast blinking green LED indicates that the selected channel / position will ignore Emergency Off control. (For example, if you want all of the breakers/relays to remain where they are at if there is a loss in power, set all green LEDs to be ON.)
7. To save the setting into non-volatile memory remove power completely from the SC board and wait for the storage capacitor to drain. Loss of power in setup mode will write the setting to NV-RAM. (Wait until the "Receiving" and "Status" LED's are completely off to guarantee that the settings are saved and be sure that the "EO" jumper at J3 is removed before re-energizing the board.