



Tech20160815-1-1

Control Unit External Light Status

Control Unit 4

The Control Unit version 4 has an external green LED indicator. This light will display the status of the system's power and communications.

Green External LED is Off – No power to the CU, LED is mis-wired or not connected.

Green External LED is Solid – Power ON, no RS-485 communications are actively occurring.

Green External LED is Flashing – Power ON, RS-485 is actively communicating (similar to a network activity light).

Thermal Runaway Controller



The Thermal Runaway Controller will have both the green and an additional red external LED.

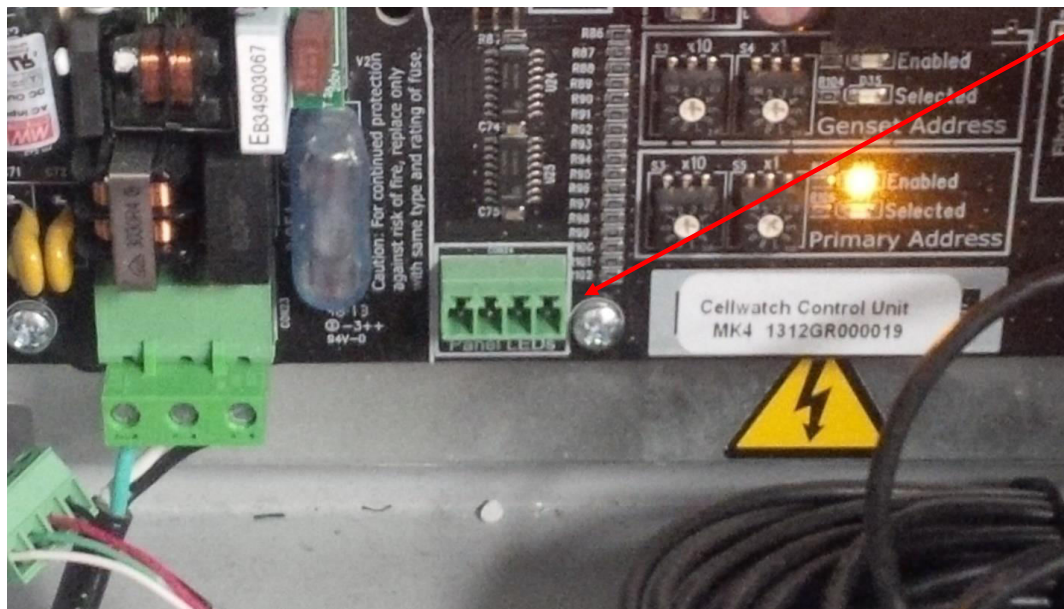
Red External LED is Off – No thermal runaway condition exists. The control unit monitors up to four strings and none of the strings are in a warning or disconnected state.

Red External LED is Solid - The red LED will light up solid when a thermal runaway warning is in effect. If both the high temperature and voltage limits for thermal runaway have been exceeded, Cellwatch will trigger the warning.



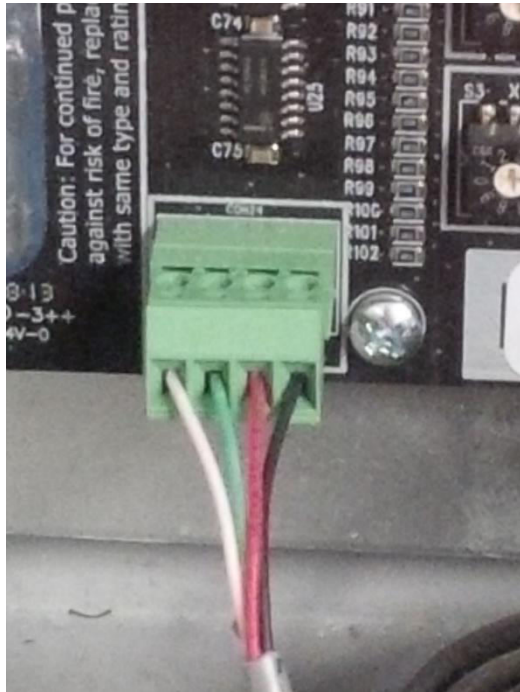
Red External LED is Flashing – A string has been disconnected by Cellwatch. If the warning is not acknowledged in Cellwatch within the warning period, the controller will isolate the string and trip the relay.

If neither of the two lights will light up, check that they are wired correctly and connected to the Control Unit board. The 4-pin input for the Panel LEDs is at the bottom of the CU board to the right of the power connector.





Wiring with the connector plugged in.





Wiring diagram

