

## Installation Instructions for D65C Series Current Monitoring Relays

### Installation and Wiring

Please refer to the diagrams below for information on installing & wiring this unit.

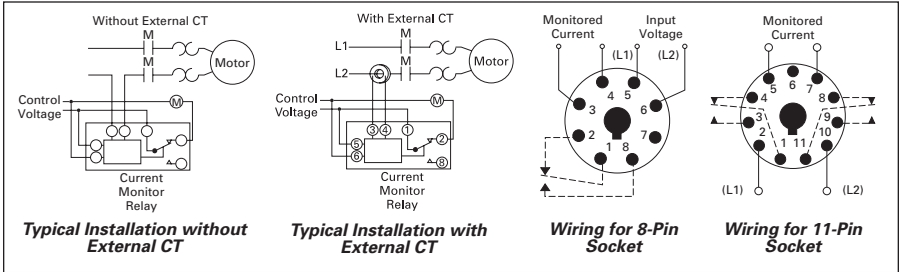


Figure 1. Wiring Diagrams

### Product Setup

Refer to the appropriate series below for information on how to set up the product:

#### D65CE Series

Adjust the pick-up setting between the MIN & MAX values of the monitored current range of the unit. Then adjust the drop-out setting is fixed at 95% of the pick-up setting. The LED is Green when input voltage is applied. The relay energizes (and the LED is Red) when the monitored current is above the pick-up setting. The relay de-energizes (and the LED is Green) when the monitored current is below the drop-out setting & input voltage remains.

#### D65CEK Series

Adjust the pick-up setting between the MIN & MAX values of the monitored current range of the unit. Then adjust the drop-out setting between 50 & 95% of the pick-up setting. The LED is Green when input voltage is applied. The relay energizes (and the LED is Red) when the monitored current is above the pick-up setting. The relay de-energizes (and the LED is Green) when the monitored current is below the drop-out setting & input voltage remains.

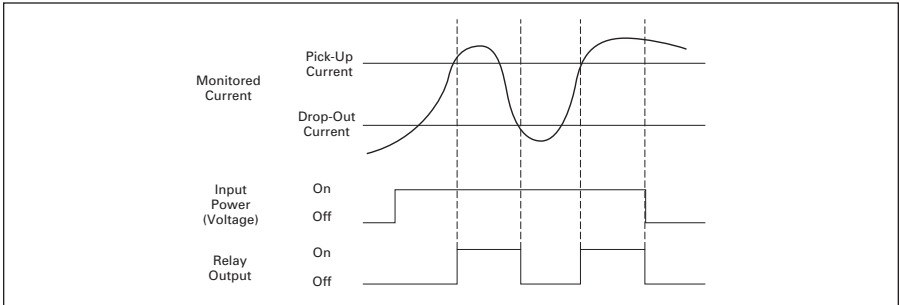
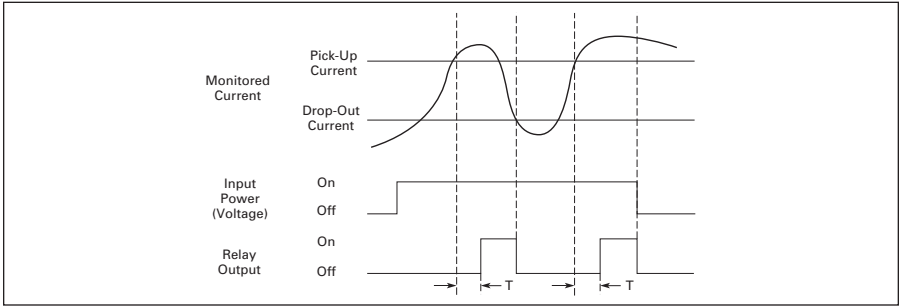


Figure 2. Standard Current Monitoring

#### D65CH Series

Adjust the pick-up setting between the MIN & MAX values of the monitored current range of the unit. The drop-out setting is fixed at 95% of the pick-up setting. Set the time delay on pick-up between 0.1 & 10 seconds. The LED is Green when input voltage is applied. The relay energizes (and the LED is Red) when the monitored current is above the pick-up setting for a period longer than the set time delay. The relay de-energizes (and the LED is Green) when the monitored current is below the drop-out setting & input voltage remains.



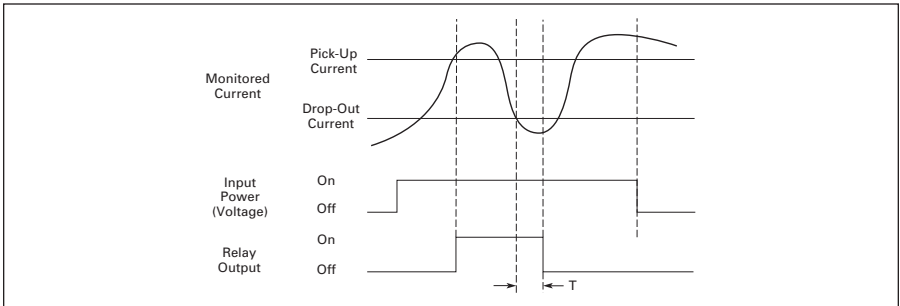
**Figure 3. Overcurrent Monitoring**

### D65CHK Series

Adjust the pick-up setting between the MIN & MAX values of the monitored current range of the unit. Then adjust the drop-out setting between 50 & 95% of the pick-up setting. Set the time delay on pick-up between 0.1 & 10 seconds. The LED is Green when input voltage is applied. The relay energizes (and the LED is Red) when the monitored current is above the pick-up setting for a period longer than the set time delay. The relay de-energizes (and the LED is Green) when the monitored current is below the drop-out setting & input voltage remains.

### D65CL Series

Adjust the drop-out setting between the MIN & MAX values of the monitored current range of the unit. The pick-up setting is fixed at +5% of the selected drop-out setting. Set the time delay on drop-out between 0.1 & 10 seconds. The LED is Green when input voltage is applied. The relay energizes (and the LED is Red) when the monitored current is above the pick-up. The relay de-energizes (and the LED is Green) when the monitored current is below the drop-out setting for a period longer than the set time delay & input voltage remains.



**Figure 4. Undercurrent Monitoring**

### Troubleshooting

If the unit fails to operate properly, check that all connections are correct per the appropriate wiring diagram. If problems continue, contact EATON TRC 1-800-809-2772 for assistance.