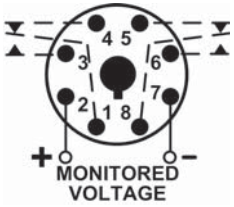
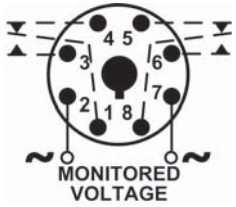
Installation Instructions for D65V Series Voltage Monitoring Relays

Installation and Wiring

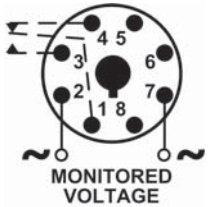
Please refer to Figure 1 for information on installing & wiring this unit.



12-110V DC Products



120V AC Products



240 & 480V AC Products

Figure 1. Wiring for 8-Pin Socket

Product Setup

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

D65VAKP Series Over/Under Voltage

Adjust the pick-up voltage setting (Umax) between the full range as shown on the product nameplate. Then adjust the drop-out voltage setting (Umin) between 75% and 95% of the pick-up setting. The relay energizes (and the LED is Red) when the monitored voltage is above the pick-up setting for a period longer than the fixed pick-up time delay of 0.5 seconds. The relay de-energizes (and the LED is Green) when the monitored voltage is below the drop-out setting for a period longer than the drop-out time delay (t), which is adjustable between 0.1-10 seconds.

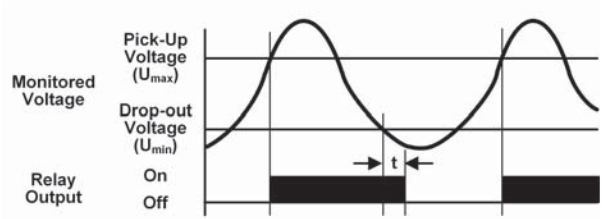


Figure 2. Over/Under Voltage

Powering Business Worldwide

Instructional Leaflet IL04914003E
Effective June 2017
Supersedes October 2015

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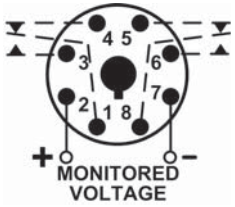
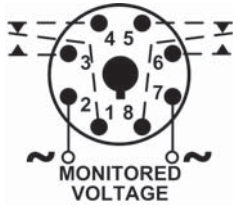
Installation and Wiring

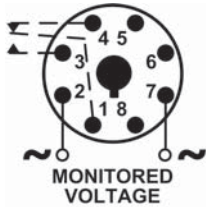
Please refer to Figure 1 for information on installing & wiring this unit.



12-110V DC Products



120V AC Products



240 & 480V AC Products

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Product Setup

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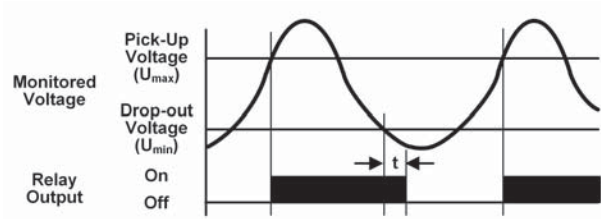

Figure 2. Over/Under Voltage

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D65VWKP Series Voltage Band Switch

Adjust the over voltage setting (Umax) between the full range as shown on the product nameplate. Adjust the under voltage setting (Umin) between 75% and 95% of the over voltage setting. The relay energizes (and the LED is Red) when the monitored voltage is between the over and under voltage settings. The relay de-energizes (and the LED is Green) when the monitored voltage falls outside the over or under voltage settings for a period longer than the drop-out time delay (t), which is adjustable from 0.1-10 seconds. The relay re-energizes when the monitored voltage returns to a value between the over and under voltage settings for a period longer than the pick-up time delay, which is fixed at 0.5 seconds.

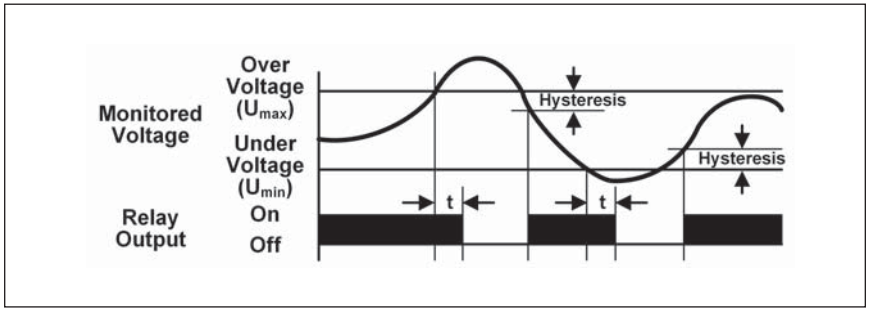

Figure 3. Voltage Band

Troubleshooting

If the unit fails to operate properly, check that all connections are correct per the appropriate wiring diagram.

If problems continue, contact the Eaton Technical Resource Center (TRC) at 1-877-ETN-CARE (386-2273) Option 2 for assistance.

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PowerChain Management®

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Installation Instructions for D65V
Series Voltage Monitoring Relays

D65VWKP Series Voltage Band Switch

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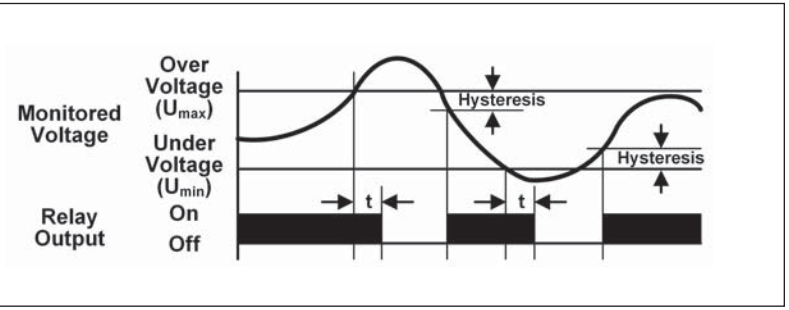

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