

DANGER!



Potentially hazardous voltages are present. Electrical shock can cause death or serious injury. Installation should be done by qualified personnel following all National, State & Local Codes.



BE SURE TO REMOVE ALL POWER SUPPLYING THIS EQUIPMENT BEFORE CONNECTING OR DISCONNECTING WIRING. READ INSTRUCTIONS BEFORE INSTALLING OR OPERATING THIS DEVICE. KEEP FOR FUTURE REFERENCE.

Installation, Wiring & Setup

1. Mount the appropriate 8 pin octal socket in a suitable enclosure. **NOTE: a 600V-rated socket such as the 70169-D must be used with these products on applications greater than 300V. When making connections to the socket, make sure to match the terminal numbers on the socket to the ones shown on the wiring diagram (the wiring diagram on the relay is the view looking towards the bottom of the relay vs. the top of the socket).** Use one or two #12-22 solid or stranded copper or copper-clad aluminum conductors with terminals on the above socket—a terminal tightening torque of 12 in-lbs should be used.
2. Connect the three-phase line-line voltage to terminals 3, 4 and 5 (see Wiring Diagram on the side of the relay or at right). A connection to the neutral or ground is not required in Wye systems. **DO NOT** connect output wires to terminals 1, 2 and 8 until later (Step 5).
3. Plug the three-phase monitor relay into the socket, making sure the key on the center post is in the proper orientation before insertion. **If the relay must be removed from the socket, do NOT rock the relay back and forth excessively—the center post could be damaged.**
4. Apply three-phase voltage. The LED indicator should illuminate GREEN. If the LED turns RED, a phase reversal (out-of-sequence) condition exists and must be corrected. **REMOVE three-phase voltage and switch any two of the three line connections to ensure the phase sequence (rotation) is correct.**
5. Connect the output terminals to terminals 1, 2 & 8. When all connections are made, apply three-phase line-line voltage.

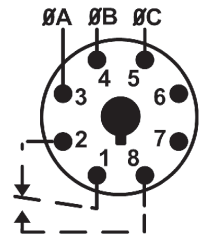
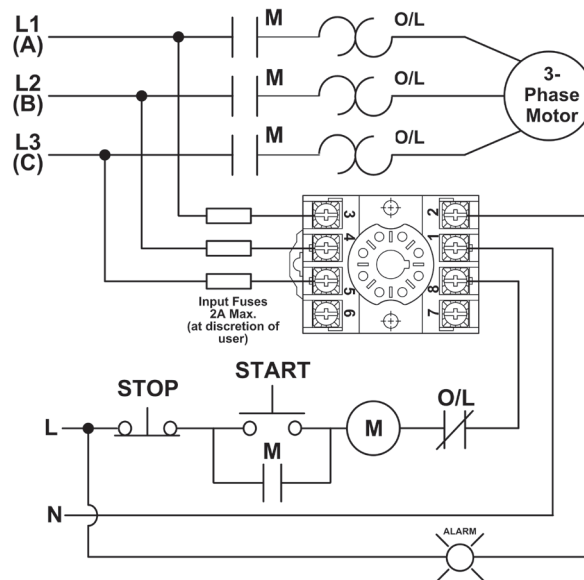


Diagram 23

Typical Connections



Troubleshooting

If the LED is solid Red, a phase reversal (out-of-sequence) condition exists. REMOVE three-phase voltage and switch any two of the three line connections to ensure the phase sequence (rotation) is correct. The LED should be solid Green with the correct sequence.

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

If problems continue, contact Automation Direct.