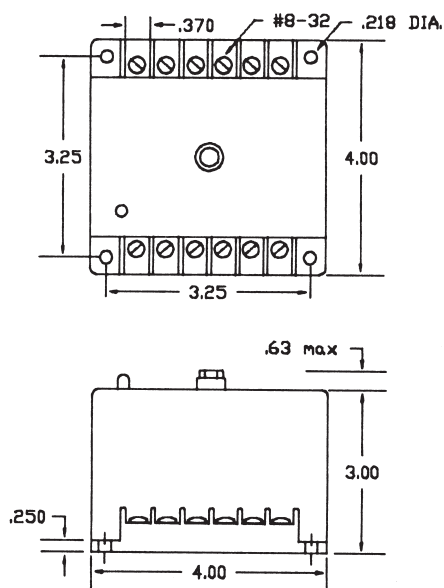
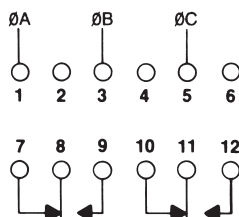


## Phase Unbalance & Loss Monitor

### DIMENSIONS (INCHES)



### WIRING



The **SLC Series** is designed to protect 3-phase equipment against Phase **UNBALANCE** and **PHASE LOSS** conditions.

### OPERATION

With normal operating voltages applied to all three phases, the internal relay will remain de-energized (DROPPED-OUT).

When a Phase Loss or Phase Unbalance exceeding the pre-selected trip point occurs, the relay will energize (PICK-UP). The SLC series is typically used in conjunction with a **SHUNT TRIP BREAKER**.

Both Delta and Wye systems may be monitored. In Wye systems, connections to neutral are not required.

NOTE: When a phase is lost while the motor is running, a condition known as regeneration occurs where a voltage is induced into the open phase nearly equal in magnitude to the normal phase-to-phase voltage. The SLC series is designed to detect this condition when properly adjusted.

### SPECIFICATIONS

**OPERATING VOLTAGE** See Table Below

**TRANSIENT PROTECTION** 1000 Volts For 8 mSEC

**RESET** Automatic

**PHASE UNBALANCE RANGE** 2% to 10%, Adjustable

**INDICATORS LED** Glows On Fault Condition

**RESPONSE TIMES**  
Operate 0.08 SEC  
Release 0.7 SEC

**TEMPERATURE RATING**  
Operate 32° to +131°F (0° to +55°C)  
Storage -49° to 185°F (-45° to +85°C)

**U.S. PATENT NUMBER** 4,331,995

**WEIGHT** 12.5 oz.

| MODEL NUMBER | OPERATING VOLTAGE | POWER REQUIRED | OUTPUT RATING  |
|--------------|-------------------|----------------|--|
| SLC-120-ALE  | 120 VA            | 3 VA Max.      | DPDT, 5 Amps, Resistive; 345 VA, Inductive @ 240 VAC |
| SLC-230-ALE  | 208/240 VAC       |                |  |
| SLC-380-ALE  | 380 VAC           | 7 VA Max.      | DPDT, 3 Amps, Resistive; 360 VA, Inductive @ 600 VAC |
| SLC-440-ALE  | 440/480 VAC       |                |  |

All voltages referenced on this page are phase-to-phase.