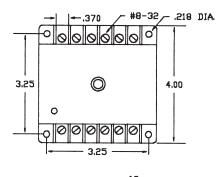
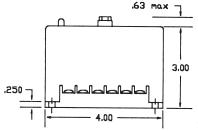


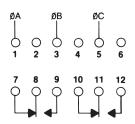
Phase Unbalance & Loss Monitor

## **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 Be	elow	
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 Release	0.08 SEC 0.7 SEC	
TEMPERATURE RATING	Operate Storage	32° to +131°F (0° to +55°C) -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;
SLC-230-ALE	208/240 VAC		345 VA, Inductive @ 240 VAC
SLC-380-ALE	380 VAC	7 VA Max.	DPDT, 3 Amps, Resistive; 360 VA, Inductive
SLC-440-ALE	440/480 VAC		@ 600 VAC

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