



Phase Monitor

- Models Available up to 480 VAC

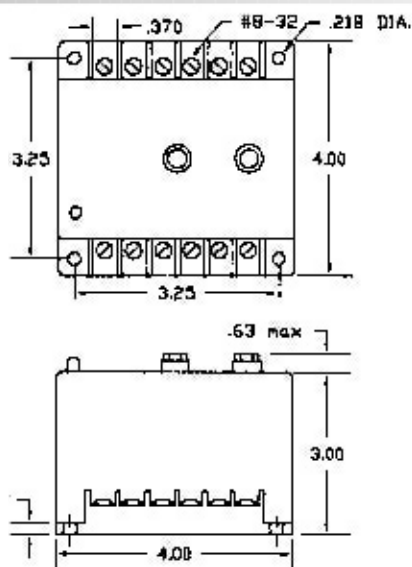
PROTECTS 3-PHASE EQUIPMENT AGAINST:

- Phase Loss
- Under Voltage
- Phase Unbalance

LOCK SHAFT ADJUSTMENT FOR:

- Phase Unbalanced Percent
- Under Voltage Drop Out
- Automatic Reset
- Delta or Wye Systems

DIMENSIONS (INCHES)



The SLE Series is designed to protect 3-phase equipment against **Phase Unbalance, Phase Loss, and Under Voltage**.

OPERATION

With normal operating voltage present on all three phases, the internal relay will energize (PICK-UP). When a phase loss occurs or the voltages fall outside the preset unbalance or under voltage settings, the internal relay will de-energize (DROP-OUT). The relay automatically resets when the line conditions return to normal.

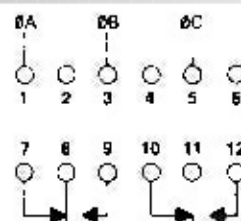
Both Delta and Wye systems may be monitored. In Wye Systems, connections to neutral are not required.

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 SLE 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 When All Conditions Are Normal	
RESPONSE TIMES MODELS UP TO 300 VAC	Operate	60 Milliseconds
	Release	0.5 Seconds
RESPONSE TIMES MODELS OVER 300 VAC	Operate	1 Second
	Release	2 Seconds
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 to 13 oz.	

WIRING



MODEL NUMBER	OPERATING VOLTAGE	UNDER VOLTAGE DROP-OUT RANGE	POWER REQUIRED	HYSTERESIS	OUTPUT RATING
SLE-120-ALE	120 VAC	95-115 Adj.	3 VA Max.	5 VAC	DPDT, 5 Amps, Resistive; 345 VA, Inductive @ 240 VAC
SLE-230-ALE	208/240 VAC	185-230 Adj.			
SLE-380-ALE	380 VAC	315-390 Adj.	7 VA Max.	10 VAC	DPDT, 3 Amps, Resistive; 360 VA, Inductive @ 600 VAC
SLE-440-ALE	440/480 VAC	370-460 Adj.			

All voltage referenced are phase-to-phase.