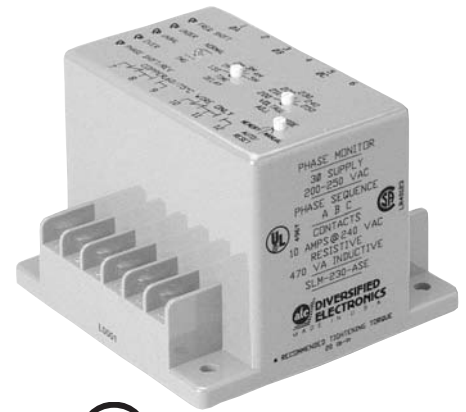


- Models available up to 690 VAC
 - Automatic or Manual Reset
 - Delay-on-Make Timer
 - LED Indicators for Fault Conditions
 - Last Fault Memory
- SCREWDRIVER ADJUSTMENT FOR:
- Time Delay
 - Voltage
 - Mode of Operation
- PROTECTS 3-PHASE EQUIPMENT AGAINST:
- Under Voltage
 - Over Voltage
 - Phase Loss
 - Phase Reversal
 - Phase Unbalance
 - Phase Shift
 - Frequency Shift



Microprocessor Based 3-Phase Monitor



SPECIFICATIONS

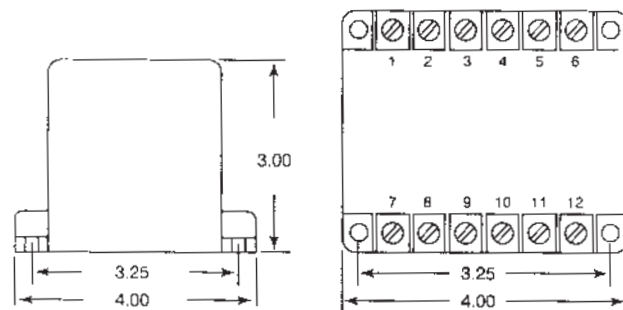
| | | |
|-----------------------|---|-----------------------------|
| VOLTAGE TRIP POINTS | Drop-Out | ±10% of Setting |
| | Pick-Up | ± 7% of Setting |
| FREQUENCY TRIP POINTS | Drop-Out | ±4% of 60 Hz (380 V, 50 Hz) |
| | Pick-Up | ±3% of 60 Hz (380 V, 50 Hz) |
| UNBALANCE TRIP POINTS | Drop-Out | 7% |
| | Pick-Up | 5% |
| RESET | Automatic; Manual; Automatic with Memory* | |
| PHASE SEQUENCE | ABC (Will Not Operate CBA) | |
| OUTPUT RATING | DPDT, 360 VA Inductive; 1/2 hp 3 A Resistive @ 600 VAC | |
| TERMINATIONS | #8-32 Screw Terminals | |

| INDICATORS LED* | Designation | Color | State | Condition |
|-----------------|-----------------------|-------|-------------|-------------------------|
| | Time Delay/Normal | Green | Flashing ON | Timing Output Energized |
| | Under Voltage | Red | ON | Fault |
| | Over Voltage | Red | ON | Fault |
| | Phase Sequence, Shift | Red | ON | Fault |
| | Frequency Shift | Red | ON | Fault |
| | Unbalance | Red | ON | Fault |

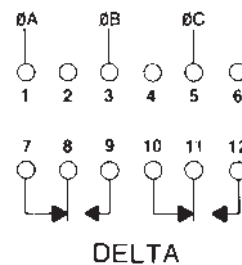
*Automatic with Memory MODE: The last fault is indicated and remains on when conditions return to normal. The indicator extinguishes only with reset or when new fault condition occurs.

| RESPONSE TIMES | Operate | |
|----------------------|-----------------------|---|
| | Sampling | 2 SEC |
| | Delay-on-Make | (Sampling Delay) + (1.5 seconds to 5 minute Delay) Adjustable in one (1) minute increments |
| | Release | |
| | Under Voltage | 1.5 SEC, (approx.) |
| | Over Voltage | 1.5 SEC, (approx.) |
| | Frequency Shift | 1.5 SEC, (approx.) |
| | Unbalance | 2.0 SEC, (approx.) |
| | *Phase Loss/Shift | 1.0 SEC, (approx.) |
| | TEMPERATURE RATING | Operate |
| Storage | | -49° to 185°F (-45° to +85°C) |
| POWER REQUIRED | 7 VA Typical | |
| TRANSIENT PROTECTION | 2500 Volts for 10 ms | |
| ENCLOSURE | Lexan Surface Mounted | |
| WEIGHT | 22 oz. | |

DIMENSIONS (INCHES)



WIRING



| MODEL NUMBER | NOMINAL PHASE-TO-PHASE VOLTAGE SET POINTS | MAXIMUM VOLTAGE |
|--------------------|---|-----------------|
| SLM-120-ASE | 105, 110, 115, 120, 125, 130 | 143 VAC |
| SLM-230-ASE | 200, 210, 220, 230, 240, 250 | 275 VAC |
| SLM-380-ASE | 350, 365, 380, 390, 400, 415 | 457 VAC |
| SLM-440-ASE | 440, 450, 460, 470, 480, 490 | 540 VAC |
| SLM-575-ASE | 525, 550, 575, 600 | 690 VAC |

*Automatic with Memory MODE: The last fault is indicated and remains on when conditions return to normal. The indicator extinguishes only with reset or when new fault condition occurs.