

SLU SERIES



Universal Phase Monitor/Relay SLU-600-ASTDS



FEATURES: ALL SLU'S

- DIN Rail Mount & Surface Mount
- Adjustable Restart Delay
- Adjustable Fault Delay
- Manual or Automatic Reset
- Adjustable Operating Range SLU-600: 200-630 VAC 3-Phase Nominal



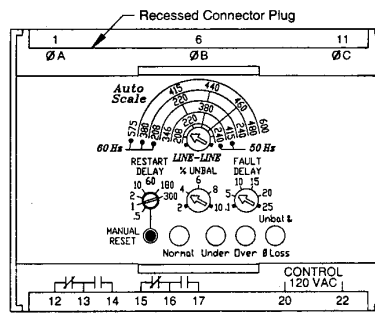
PROTECTS AGAINST

- Rapid Cycling
- Phase Loss
- Phase Reversal
- Over/Under Voltage
- Phase Unbalance
- Phase Shift
- Over/Under Frequency

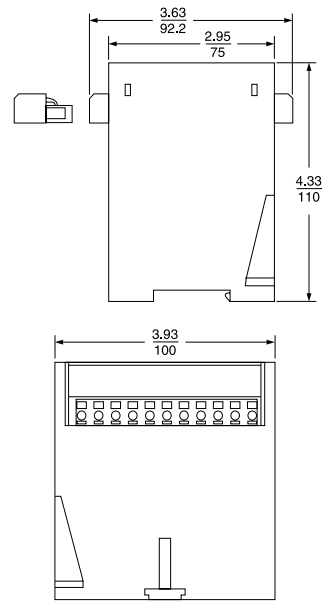
SPECIFICATIONS

AUTO RANGING SCALES:	See Table Previous Page
3 Ø VOLTAGE BAND	
Drop-out:	±10% of Range Setting (Under/Over)
Pick-up:	±7% of Range Setting (Under/Over)
CONTROL VOLTAGE:	120 VAC ±10%, 50/60Hz
MAXIMUM VOLTAGE:	700 VAC (Line-to-Line)
PHASE SEQUENCE:	ABC (Will Not Operate On CBA Sequence)
POWER REQUIRED:	90 VA Maximum
PHASE UNBALANCE	2% to 10%, Adjustable Drop-out
Hysteresis:	10% of Setting
PHASE SHIFT:	13° Drop-out, 12° Pick-up (Ø-Loss)
FREQUENCY SHIFT	50/60 Hz
Drop-out:	± 4%
Pick up:	± 3%
RESET:	Automatic or Manual Mode Clears Rapid Cycle Count
RAPID CYCLING:	5 Cycle Lockout, 30-Min. Cycle Count Reset

TOP LABEL



DIMENSIONS INCHES MILLIMETERS



LED STATUS CHART

Status	Normal Green LED	Under Red LED	Over Red LED	Unbal & Ø Loss Red LED
Powering Up/First 3 Sec	●	●	●	☼
Powered Up/Normal Voltages	○	●	●	●
Relay ON/Under Voltage Detected/FAULT DELAY active	☼	●	●	●
Relay ON/Over Voltage Detected/FAULT DELAY active	☼	●	●	●
Relay ON/Unbal or Ø Loss Detected/FAULT DELAY active	☼	●	●	●
Relay OFF/Under Voltage Failure	●	○	●	●
Relay OFF/Over Voltage Failure	●	●	○	●
Relay OFF/Unbal or Ø Loss Failure	●	●	●	○
Relay OFF/Under Voltage Corrected/RESTART DELAY active	●	☼	●	●
Relay OFF/Over Voltage Corrected/RESTART DELAY active	●	●	☼	●
Relay OFF/Unbal or Ø Loss Corrected/RESTART DELAY active	●	●	●	☼

● = OFF ○ = ON ☼ = FLASHING

RELAY OUTPUT:

DPDT, 10A @ 240 VAC Resistive

INDICATORS

Normal (Green LED):
Under (Red LED):
Over (Red LED)
Unbal / Ø Loss (Red LED) :

Flashing

Fault Delay Active
Restart Delay Active
Restart Delay Active
Restart Delay Active

Continuous

Relay Energized
Relay De-energized
Relay De-energized
Relay De-energized

RESPONSE TIMES

Power Up:
Fault Delay:
Severe Fault:
Restart:

2.5 S Minimum
0.1 to 25 S, Adjustable
100mS (Ø-Loss, Unbalance or Ø Reversal)
0.5 to 300 S, Adjustable (Auto Reset)

TEMPERATURES

Operate:
Storage:

32°F to +131°F (0°C to +55°C)
-49°F to +185°F (-45°C to +85°C)

REPEAT ACCURACY:

1% @ Fixed Condition

TERMINALS:

Plug and Socket Term Block with Spring Pressure Wire Retention, 12 AWG Max.

ENCLOSURE:

35mm DIN Rail or Surface Mount, Polycarbonate Housing