



## SYCON-8802

### Protection Relay

The voltage relay **SYCON 8802 relay** generally measures the phase-to-phase voltage of the system. On operation the relay trips the circuit-breaker or provides an **alarm signal**, in accordance with the configuration of the relay. When the phase-to-phase voltage exceeds the set start value of the over voltage stage, the over voltage stage starts and generates an over voltage fault signal. When, operate time has expired, the over voltage stage delivers a trip signal. In the same way the under voltage stage starts and generates a under voltage fault signal, when the value measured goes below the start value, and when the operate time has expired, the under voltage stage operates by generating a trip signal. When the difference between any two phases is greater than 10% of normal voltage, voltage unbalance stage starts and when the operate time has expired, the voltage unbalance stage operates by generating a trip signal.

**Available in Single Phase also.**

## Features:-

- User Friendly
- Advance microcontroller technology.
- Protection against under voltage over voltage.
- Protection against voltage unbalance and single phasing.
- Protection against Phase reversal.
- Easy to operate.
- Ultra compact size.
- Reset Facility.

## Display Features:-

- Normal Indicator
- Under Voltage Trip Indicator
- Over Voltage Trip Indicator
- Reverse Phase Trip Indicator
- Single Phase Trip Indicator
- Voltage Unbalance Trip Indicator

## Technical Specifications

<b>Supply Voltage System</b>	415 0 V AC
<b>Phase unbalance</b>	20%
<b>Under Voltage</b>	80% to 95% (adjustable)
<b>Over Voltage</b>	105% to 120% (adjustable)
<b>Power on delay</b>	2.0 sec + -0.5 sec.
<b>Trip Time Delay</b>	On OV less than 1 sec On phase fail ,reverse phase, UV and UNB 5secs

<b>Auxiliary supply</b>	230V AC (110 VAC and 415 VAC optional)
<b>Relay output</b>	Potential free NO-C-NC, 10 Amps at 250 VAC contacts
<b>Operating temp range</b>	0°C to +70°C
<b>Calibration</b>	SYCON 8802 is calibrated with our standard meter ( which is calibrated with YOKOGOWA, meter
<b>Accuracy</b>	± 2% tolerance

<b>Mounting</b>	Din rail
<b>Body</b>	Plastic
<b>Size</b>	70 x 60 X 110 (mm)

