

SYCON-55XXSS

Automatic power factor controller



SYCON

This is an advance version in 55 series with small volume and light weight. With a four segment LED display, the relay displays parameters like system power factor, system KVA, system KW, system KVAR and shortfall KVAR. It has an intelligent KVAR based switching algorithm. It has capability to auto-identify the capacitor values. The panel can be tested without CT current.

Display

- Four Segment Bright LED Display
- LED indication for LAG or LEAD P.F.
- Power factor
- LED indication of capacitor ON/OFF status
- Selectable :
 - KVA
 - KW
 - KVAR
 - Shortfall or Excess KVAR Settings



General Features

- Intelligent KVAR based switching
- Friendly user interface
- Easy to install
- Large 4- digit 7-segment display
- Available in 4,6,8,12,16 stages

Control Features

- Site settable:
 - Target PF
 - CT primary
 - Auto identification or Manual feeding of capacitor values
- Capacitor disconnection in case of Low current
- Test Mode Facility

Mechanical Specifications

| | |
|--------------|------------------------------|
| Dimensions | 144 (L) x 144 (W) x 80(D) mm |
| Panel Cutout | 138 mm x 138 mm |
| Weight | 1.5 kg |

Electrical Specifications

| | |
|----------------------|---------------------------|
| Voltage Input | 415V AC +/- 15% |
| Current Input | --/5A --/1A (optional) |
| Frequency | 50Hz |
| Over Voltage Release | 470 V AC +/-1% |
| Low current | 1% (50mA) |
| Switching Contact | 10A at 250V AC |
| Accuracy | 1 digit |
| Switching Time | 5 sec |

