

SYCON-66XX

Automatic power factor controller



This version of 66 XX series displays all parameters such as power factor, shortfall KVAR, Excess KVAR, voltage, current and THD all at a time. By selection, it displays % harmonic from 3rd to 13th and capacitor values. It has built-in facility to cut-off the capacitors in case of harmonic overload. It has password protected settings. It's built-in TEST mode enables to test the panel without CT current. Auto as well as Manual mode of operation are available in this relay.

Display

- Large alphanumeric LCD display (2 x 16 characters)
- LED indication for capacitor ON / OFF status

Display Parameters

- Power factor
- Voltage
- Current
- Shortfall KVAR / Excess KVAR
- % THD
- Selectable:
 - 3rd to 13th harmonics
 - Capacitor Values
 - Settings



General Features

- Intelligent KVAR based switching
- Friendly user interface
- Easy to install
- Large alpha-numeric display
- Available in 4 to 16 stages (available stages 4, 6, 8, 12, 14, 16)
- Number of stages can be configured at site

Control Features

- Password protection for settings
- Site settable
 - % KVAR switching capacity
 - Target PF
 - CT primary
 - Switching delay
 - Lockout time for power ON
 - Harmonic(THD) Overload protection
 - Number of stages can be selected
- Capacitor disconnection in case of Low current
- Auto identification or Manual feeding of capacitor values
- Manual switching facility
- 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
Low current	1% (50mA)
Switching Contact	10A at 250V AC
Accuracy	1 Class
Switching Interval	5 to 1200 sec
Switching Interval	Intelligent (Best fit)

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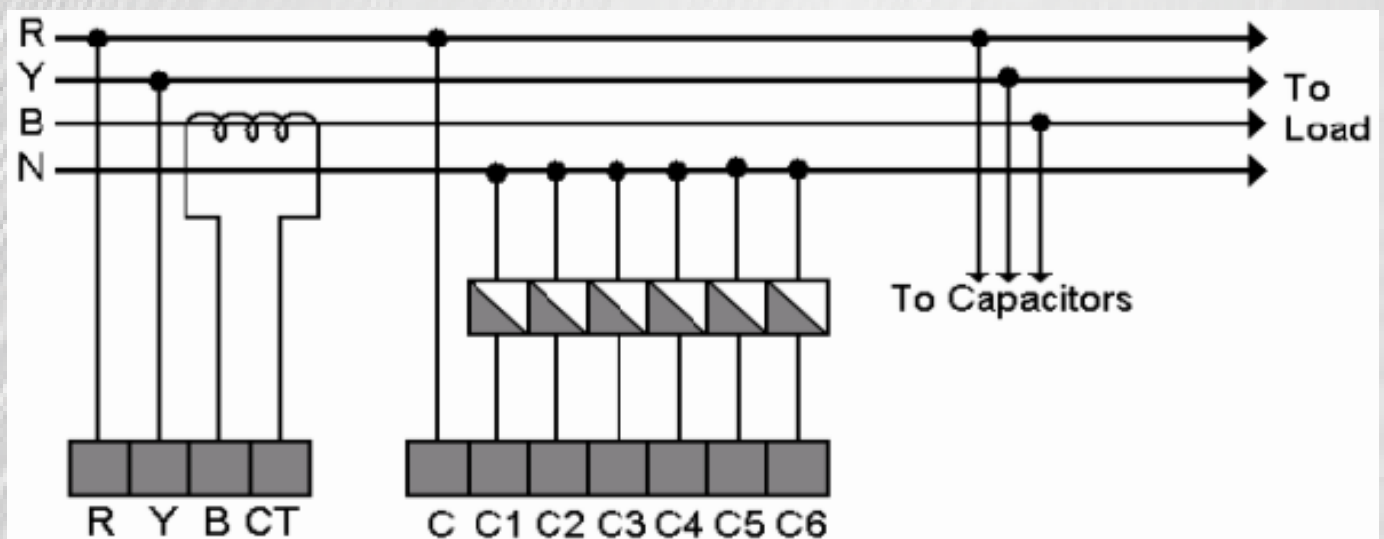
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Optional Features

- 3 Phase sensing (3CT) controller for unbalanced load system
- 1 sec switching delay
- Dual settings for Generator and EB Power factor
- HT CT sensing for HT applications

Wiring Diagram



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