SYCON-Power Kitz

Automatic Power Factor Controller

SYCON Power Kitz controller controls the capacitor switching with a ‘best fit algorithm’. First the accurate power factor is computed with four quadrant power factor measurement method. Considering the target power factor and current power factor, required **capacitive KVAR** is computed. From all the available capacitors (capacitor recently turned OFF are not considered as they are discharging), the best combination is computed and switched ON. This mode of operation ensures the best use of all the capacitors to achieve the power factor which is nearest to the target power factor.

Display

- Large alphanumeric LCD display (20 X 4 characters)
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General Features

- Intelligent KVAR based switching
- Friendly user interface
- Easy to install
- Large alpha-numeric display
- Available in 12 stages

Display Parameters

- Power factor (RYB)
- Voltage (RYB)
- Current (RYB)
- Shortfall KVAR (RYB)
- KW (RYB)
- KVAR (RYB)
- KVA (RYB)
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Control Features

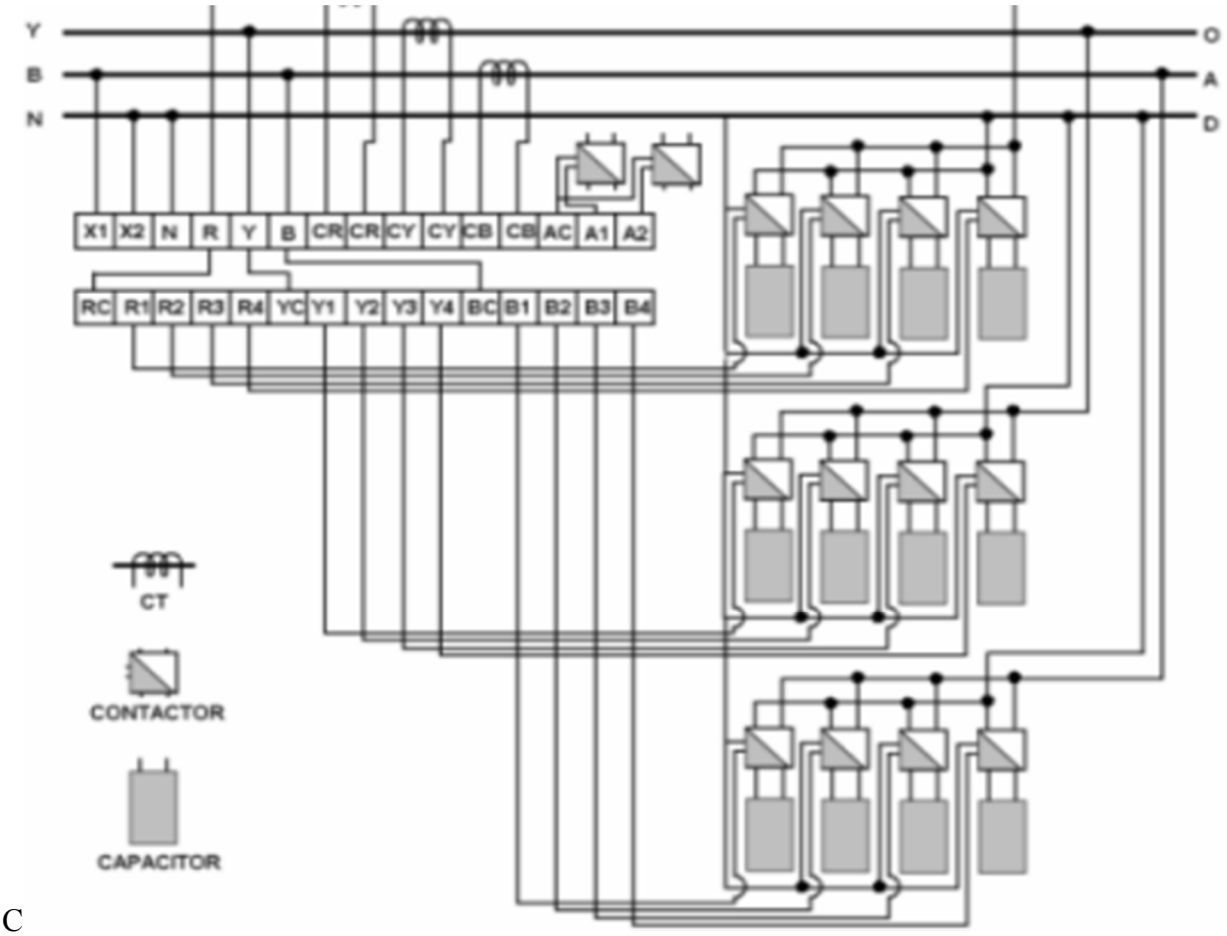
- Password protection for settings
- Site settable C.T. Primary from 5 to 7500 A
- Target PF
- Switching delay
- Lockout time for power ON
- Auto identification or Manual feeding of capacitor values
- Manual switching facility
- Test mode facility

Electrical Specifications

Voltage Input	230 V AC +/- 15%
Current Input	–/5A –/1A (optional)
Frequency	50Hz
Over Voltage Setting	270V AC
Low current	1% In (50mA) 2 % Out (100 mA)
Switching Contact	10A at 250V AC
Accuracy	Class 1
Switching Interval	5 to 1200 sec
Switching program	Intelligent (Best fit)

Mechanial Sprcification

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



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