

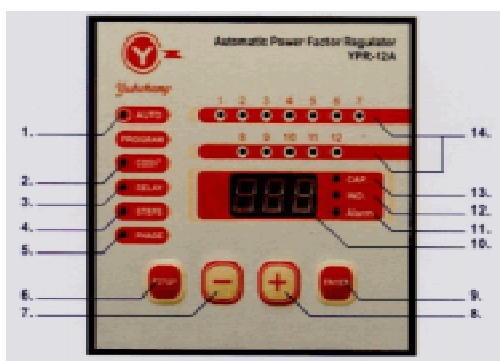
Automatic Power Factor Regulator (APFR)



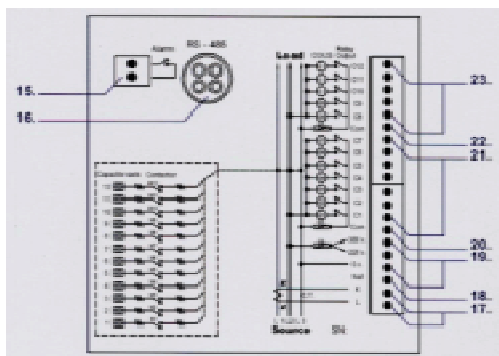
FEATURES

- Automatic / Manual Operation
- Frequency 50/60Hz Auto-Detecting
- With PF Abnormal Alarm Indicator and Contact
- Free CK Ratio Setting
- Switch In and Out Time Programmable
- Power Failure Auto Resume
- PC Communication and Software available
- Programmable Margin of Target PF
- Over-Compensation Protected
- Circular or Weight sequence controls
- Built-in RS-485 interface

Description :



1. Operating indicator(Auto/Manual/Setting modes indication)
2. Target power factor(PF) setting
3. Switching delay time setting
4. Capacitor steps setting
5. Number of Phase setting
6. Procedure setting key
7. Number decrease key or Manual switch-out capacitor key
8. Number increase key or Manual switch-in capacitor key



9. Enter key to confirm all setup values
10. LED digital display
11. Indicator for abnormal PF
12. Indicator for PF in Lag(Indicative)
13. Indicator for PF in Lead(Capacitive)
14. Switching status of capacitor steps
15. Contacts of abnormal PF alarm
16. RS-485 communication input/output terminals
17. Terminals for secondary K and L signals of CT
18. NO use
19. Terminals for operating power source 220V or 380V
20. Common terminal of 1 to 7 output contacts
21. Output terminals for 1 to 7 steps
22. Common terminal of 8 to 12 output contacts
23. Output contacts for 8 to 12 input steps

Specification :

| Model | Steps | Operating Voltage | Operating Temperature | Size (mm) | Panel Cut-Out (mm) |
|---|----------------------------|---|--|-----------------------|--------------------|
| YPR-7 | 7-steps (programmable) | AC 220/380V (+20~-20%) 50/60Hz auto detecting | -10 to +60 | 144x144x92 (LxWxD) | 138x138 |
| YPR-12A | 12-steps (programmable) | | | | |
| 🔌Phases: 1 or 3 phase programmable | | | 🔌Sequence control: Circular or Weighted | | |
| 🔌Setting range of target power factor: 0.7(IND.) to 0.7(CAP.) | | | 🔌Abnormal PF release setting: programmable from 0.00 to 0.60 | | |
| 🔌Upper and lower margin of target PF: | | | 🔌CT spec: Secondary 5A | | |
| Programmable from 0.00 to 0.10 | | | 🔌Built-in RS-485 communication terminals | | |
| 🔌Switch-in delay time: Programmable from 1 to 995 seconds | | | 🔌Capacity of contacts: 250V 10A | | |
| 🔌Switch-out delay time: Programmable from 1 to 30 seconds | | | 🔌Consumption: Max. 9 VA | | |
| 🔌Steps setting: 1 to 7 steps(YPR-7), 1 to 12 steps(YPR-12A) | | | 🔌Approximately weight: 1.15kg | | |