



## Features :

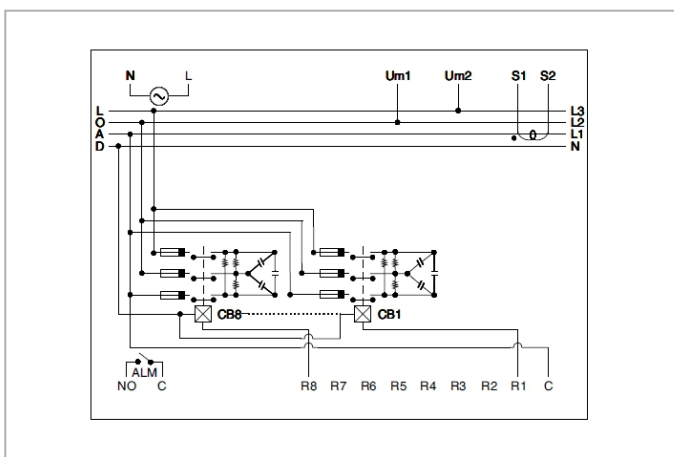
- 1-CT Sensing
- Zero Programming
- Single row, 4 digits LED display
- 8 Relay stages
- Intelligent Algorithm System
- Supports Automatic Capacitor Banks switching
- Alarm Indications

Certifications :  

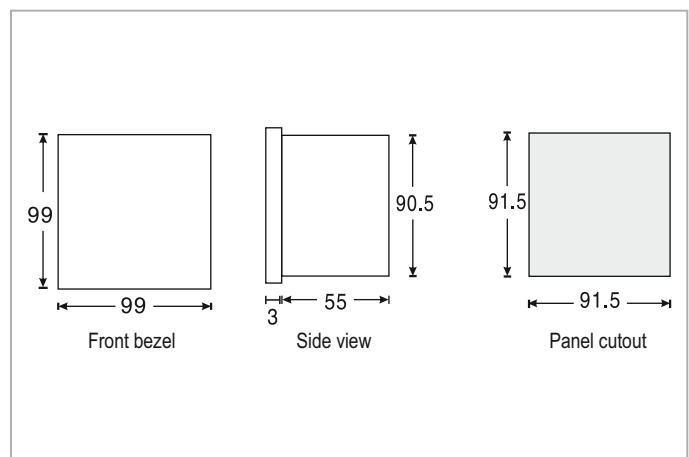
## Technical specifications

| Display specifications       |                                                    |
|------------------------------|----------------------------------------------------|
| Type                         | LCD with backlight                                 |
| Digits                       | 4 digit to show electrical parameter               |
| Operational characteristics  |                                                    |
| Rated input voltage          | 50 to 520V AC                                      |
| Rated input current range    | Nominal 5AAC (Min 50mA , Max 6A) 1 CT sensing      |
| Frequency                    | 45 - 65 Hz                                         |
| Electrical connection        | 2Ø - 2 wire (voltage - L2,L3, Current L1)          |
| Power consumption            | 7VA Max                                            |
| Controlling range            | Target PF : -0.800 to +0.800                       |
| Switching program            | Automatic                                          |
| Max number of steps          | 1 to 8                                             |
| Output specifications        |                                                    |
| Output Contacts              | NO, One Common point                               |
| Steps:                       | 1 to 8                                             |
| Relay contact                | 5A @250V AC (Max)                                  |
| Environmental specifications |                                                    |
| Temperature                  | Operating : 0°C to 60°C<br>Storage : -20°C to 60°C |
| Humidity (non - condensing)  | 0% to 95% without moisture consideration           |
| Mechanical specifications    |                                                    |
| Mounting                     | Panel                                              |
| Weight                       | 263gms                                             |

## Terminal connections



## Dimensions (All are in mm)



## Standards Compliance

| Applicable EMI / EMC standards  |                |                                                                                                                                                                                                |
|---------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product standards : IEC 61326-1 |                |                                                                                                                                                                                                |
| Category                        | Standards      | Standards compliance                                                                                                                                                                           |
| ESD immunity                    | IEC 61000-4-2  | Level III (Air discharge : 8kV),<br>Level II (Contact Discharge : 4kV)                                                                                                                         |
| Surge immunity                  | IEC 61000-4-5  | 2kV common mode, (Line to ground)<br>1kV common mode, (Line to line)                                                                                                                           |
| Radiated susceptibility         | IEC 61000-4-3  | Level III, 80 to 1000MHz (10V/m)<br>Level II, 1.4GHz to 2GHz (3V/m)<br>Level I, 2GHz to 2.7GHz (1V/m)                                                                                          |
| Conducted susceptibility        | IEC 61000-4-6  | Level II (150KHz to 80MHz) (3V/m)                                                                                                                                                              |
| Voltage dips and interruptions  | IEC 61000-4-11 | <b>Dips</b> : 0% during 1 cycle (Criteria B),<br>40% during 10/12 cycles (Criteria C),<br>70% during 25/30 cycles (Criteria C)<br><b>Interruptions</b> : 0% during 250/300 cycles (Criteria C) |
| Conducted emission              | CISPR 11       | Group 1, Class A (150kHz to 30 MHz)                                                                                                                                                            |
| Radiated emission               | CISPR-11       | Group 1, Class A (30MHz to 1 GHz)                                                                                                                                                              |
| Electrical fast transient       | IEC 61000-4-4  | Level III (2kV)                                                                                                                                                                                |
| Power frequency magnetic field  | IEC 61000-4-8  | Level IV 30 A/m                                                                                                                                                                                |

## Ordering information

| Product code        | Supply voltage          | No. of stages | Certification |
|---------------------|-------------------------|---------------|---------------|
| APFC346-108-230V-CE | 85 - 270V AC, 50 - 60Hz | 8             | CE            |