



144 x 144mm

Features:

- 1 phase current sensing
- LED Type 4 digit
- Support Intelligent Algorithm
- 8 & 12 steps
- Dual Password Protection
- Configurable alarm setting
- Alarm indication on display

Technical Specifications

Display

| | |
|-----------------|-------------------------|
| Type of display | 7 Segment LED |
| Digit | 4 digits 1 Row |
| No. of LED | 12 + 1 + 1 or 8 + 1 + 1 |

Input Specifications

| | |
|------------------------------|--------------------------------------|
| Display parameter | Power factor, Alarm |
| Current Input | |
| Nominal Current | 5A AC (Min 50mA, Max 6A) |
| Sensitivity | 50mA |
| Burden | 20 mOhms, |
| Overload | 20% continuous |
| Voltage input | |
| Operating Limit | 40-300V (L-N), 50-530V (L-L) |
| Power Consumption | 0.05 VA |
| Rated Frequency | 45-65 Hz |
| Measurement Range | |
| Power Factor | 0.8 to -0.8 |
| Alarm Indications | |
| Over Voltage | 256 - 264V (L-N) 540 - 570V (L-L) |
| Under Voltage | 195 - 204V (L-N) 380 - 480V (L-L) |
| Under Compensate | ON/OFF |
| Over Compensate | ON/OFF |
| CT Polarity Error | ON/OFF |
| Current Absent indication | Curr |
| Phase Compensation | 0°, 90°, 120°, 210°, 240°, 330° |
| Electrical Connection | L-N / L-L |
| Frequency | 45-65 Hz |
| Accuracy | Power factor : ±0.01 |
| Resettable Parameters | |
| CT Primary | 1 / 5A to 9999A |
| CT Secondary | 1 or 5A |

Output Specifications

| | |
|-----------------|--|
| Output Contacts | NO, One common point Max fuse 6A |
| Steps | 3 to 12 steps (For 12 relay) 3 to 8 steps (For 8 relay) |
| Relay Contact | 5A @ 250VAC |

Supply Specifications

| | |
|-------------------------|-------------|
| Auxiliary Supply | |
| Input voltage range | 90 - 550VAC |
| Consumption | 15 VA max |

Control Specifications

| | |
|---------------------|---------------------------------|
| Target PF | 0.8 lag to 0.8 lead |
| Control Sensitivity | 55 to 100% |
| Step time | 1 to 999 Sec |
| Discharge time | 1 to 999 sec |
| Switching program | Automatic / Linear / Rotational |
| Control Mode | Automatic / Manual |
| Auto initialization | Yes / No |

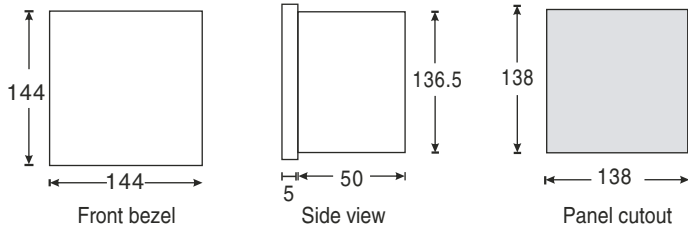
Environmental Specifications

| | |
|--------------------------|--|
| Temperature | Operating : 0 °C to 60 °C Storage : -20 °C to 60 °C |
| Humidity(Non Condensing) | Up to 95% RH |

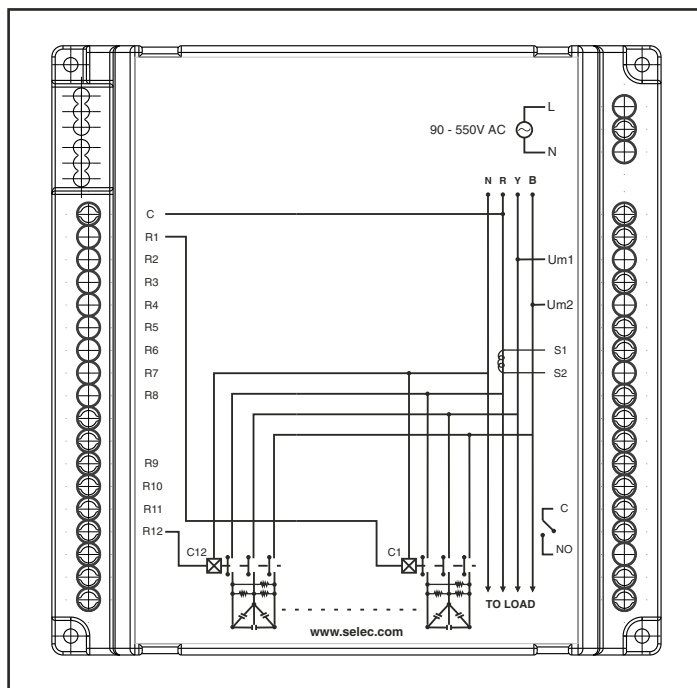
Mechanical Specifications

| | |
|----------|--|
| Mounting | Panel mount |
| Weight | APFC147-108 : 400 gms APFC147-112 : 420 gms |

Dimensions



Terminal Connections



Ordering Information

| Product Code | Supply Voltage | No. of stages |
|-----------------------|----------------|---------------|
| APFC147-112-90 / 550V | 90 / 550V | 12 |
| APFC147-108-90 / 550V | 90 / 550V | 8 |