

### Features:

- . 1 phase current sensing
- . Supports intelligent algorithm
- · Automatically switches between various capacitor banks
- Alarm indication on display for over temperature
- Plug & Play

Certifications : **(€** 

#### **Display specifications**

Туре	LCD with backlight	
Digits	4 digits 1 Row	

### Input specifications

Rated input voltage 50 - 520V (L - L)

Rated input current Nominal 5A AC (Min 50mA, Max 6A)

Frequency 45 - 65 Hz Burden 20m Ohm

Electrical connection 2ø - 2 wire (Voltage - L2 L3, Current - L1)

Accuracy

Power factor : ±0.01

Temperature: ±3° of full scale

Measurement range

Power factor 0.8 lag to 0.8 lead

**Error indication** Curr (Current less than 50mA)

Alarm indication Over temperature

Settable parameters

Target PF 0.8 lag to 0.8 lead

Max number of steps1 to 12Step time1 to 999 secDischarge time1 to 999 secOver temperature settings10°C to 70°C

#### **Output specifications**

Output contacts	NO, One common point max fuse 6A
Steps	1 to 12
Relay contact	5A @ 250V AC (max)

## Auxiliary supply specifications

Input voltage range	90 - 550V AC	
Consumption	15VA max	
Frequency	50 - 60 Hz	

### Control specifications

Target PF	0.8 lag to 0.8 lead	
Step time	1 to 999 sec	
Discharge time	1 to 999 sec	
Control mode	Automatic / Manual	

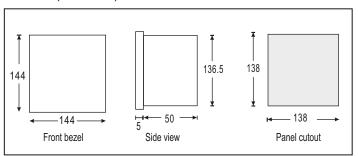
#### **Environmental specifications**

Temperature	Operating : 0°C to 60°C Storage : -20°C to 60°C
Humidity	0% to 95% without moisture consideration

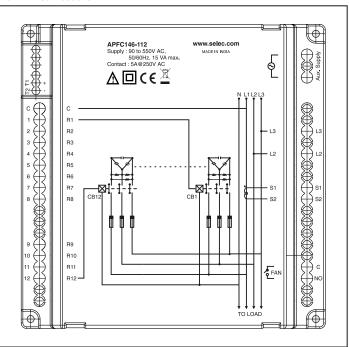
### Mechanical specifications

Mounting	Panel	
Weight	400 gms	

#### Dimensions (All are in mm)



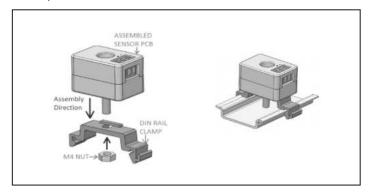
### Terminal connections



# Compliance

Compilation			
Applicable EMI / EMC standards			
Product standard : IEC 61326-1			
Category		Standards compliance	
ESD immunity	IEC 61000-4-2	Level III (Air discharge : 8kV), Level II (Contact discharge : 4kV)	
Surge immunity	IEC 61000-4-5	2kV common mode, (Line to ground), 1kV differential mode, (Line to Line)	
Radiated susceptibility	IEC 61000-4-3	Level III, 80 to 1000MHz (10V/m) Level II, 1.4GHz to 2GHz (3V/m) 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	Dips : 0% during 1 cycle (Criteria B), 40% during 10/12 cycles (Criteria C), 70% during 25/30 cycles (Criteria C) Interruptions : 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	

## NTC temperature sensor



# **Ordering information**

Product code	Supply voltage	No. of stages	Certification
APFC146-112-90/550V-CE	90 - 550 VAC, 50 / 60Hz	12	C€

www.selec.com 2