

Automatic Power Factor Control (APFC) Panel

Heatcon manufactures APFC control panels with state of the art LNT make APFC etaCON controller.

The etaCON controller precisely controls the switching of capacitor banks.



Need for APFC

- The switching of inductive loads like motors and transformers is erratic and leads to sudden increase and decrease in PF component.
- Low PF draws a higher internal current and the excessive heat generated will damage and/or shorten equipment life.
- Moreover penalty is issued by electricity boards for not maintaining the PF near unity.

Remedy - Install our APFC panel that precisely controls the PF by switching on/off the capacitor banks.

Stages -

- Our standard APFC models are in 3,5,7,8 and 12 stage models for better step resolution and hunt free capacitor switching.
- The contactors are used in APFC panels for switching power capacitors.



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HEATCON SYSTEMS
Sensing & Control Solutions



Avoid Penalties

Standard Features

- Automatic recognition of current flow direction
- Flashing of Alarm code in case of abnormal conditions
- Online display of PF, Voltage, Current, kVAr, capacitor overload
- Right capacitor-reactor combination selection prevents capacitor over-current
- Average weekly power factor measurement (last 7 days)
- Keypad lock feature
- Selection of capacitors depends on the amount of reactive power compensation required

Advantages of APFC Controller

- Reduces maximum demand and KVAh
- Maintains the PF near unity hence no penalties
- Improves equipment life
- Saves money

