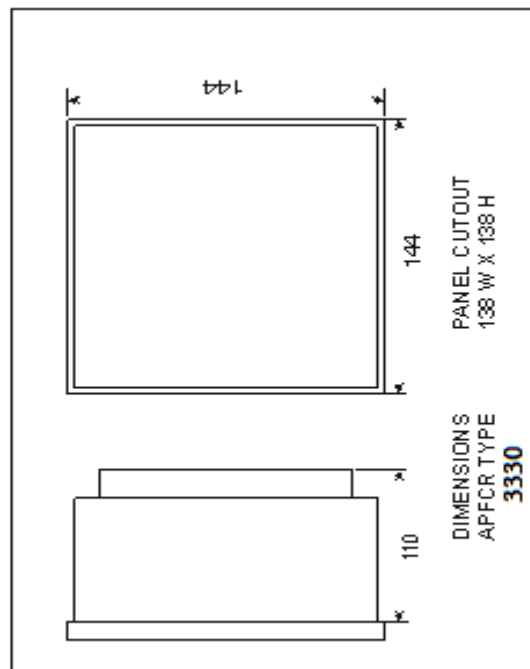
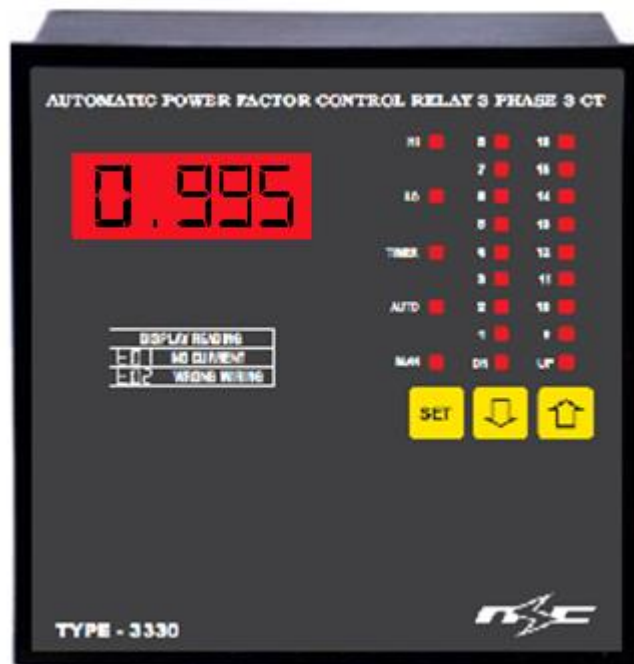




- Field Proven Design.
- Three Phase Four Wire Three CT Operations.
- Compact DIN Std Flush mounting case 144mm x 144mm x 110mm.
- Real Time four digit display of Power Factor for Accurate Measurement.
- Built in Auto/Manual Control.
- Available in 4, 8, 12, 16 Switching stages.
- Sensing through CT on individual Phase.
- Auto Detection of Low Current(t.01) and Wrong External Connection(t.02).
- All Setting by Feature Touch Push Buttons.

Digital Settings for

- Number of Stages.
- Target PF from 0.850 Lag to 0.850 Lead.
- Dead Band From 4 deg to 14 deg Electrical.
- Time to Switch a Stage On.
- Time to Switch a Stage Off.
- Digital Setting of Discharge Time by Logic Timer for Each Stage to allow full discharge of the stage capacitor before re-switching.
- Option of HT Control Through PT.
- Options of Output for Thyristor Switching.

GENERAL

This APFCR type 3330 is what is known as 'three CT'. It measures the power factor by three phase triple element basis. It thus takes care of three phase balanced as well as unbalanced loads.

This APFCR will switch three phase capacitors. The load currents in the three phases of such capacitors are balanced. If you are using three phase capacitors to control loads that are permanently unbalanced, you will get leading power factor always in the phases that carry relatively less load current. Leading power factor can cause fluctuating voltage by an abnormal rise in voltage (positive regulation) depending upon the impedance of the system.

For such permanently unbalanced loads you should use three separate single phase systems using three APFCRs type 1305 and single phase capacitors in the three phases, independently.

The Controller senses the total resultant power factor of the system and switches the capacitors through the appropriate control gear in the panel so as to correct the power factor to the required level.

SPECIFICATIONS

- Voltage : 415V +/- 10% Three Phase Four Wire. (110V for HT application.)
- Current : 0.05 to 5Amp through Secondary of each CTs on each Phase.
- Low current : APFCR will indicate t.01 and switch OFF all the stages that were ON in sequence only when current is Low or absent in all three Phases.
- Wrong Connection : All three Phases of CTs Connection must be correct for the APFCR to run correctly. The display indicates t.02 if CTs and Phase Connections are Wrong. The operation of APFCR is locked out.
- Number of stages : You can set the number of Stages from Four to Maximum.

Digital setting by Feather touch Push button as under

- Target P.F(Setting TPF) : Settable from 0.850 Lag to 0.850 lead.
- Dead Band(Setting DB) : Settable from 4 deg to 14 deg Electrical.

Time to Switch Stages

- Switch ON(Setting TON) : Settable from 2 seconds to 50 seconds.
- Switch OFF(Setting TOFF) : Settable from 2 seconds to 50 seconds.
- Discharge Time(Setting TDIS) : Settable from 15 seconds to 300 seconds.
- Contact Rating : Each Switching contact is rated for maxima of 230V, 5Amps AC resistive loads.
- Dimensions : Front Bezzel : 144 mm x 144 mm, Panel Cutout : 138 mm x 138 mm.
Depth Behind Panel : 110 mm including terminals.
- Weight : Approx. 1.2 Kg.

*Technical specification & appearance are subject to change without prior notice.



neoncontrolsindia@gmail.com



<https://neoncontrolsindia.com/>



<https://neoncontrolsindia.com/>