

Real Time Power Factor Correction System



Description

- + Fast Real Time Transient-Free switching of Capacitor Banks
- + Prevents damage to sensitive electronic equipment in network
- + Highly intelligent micro processor based 3 phase P.F. Controller with Dual P.F. Setting and Master Slave modes
- + LCD Controller has inbuilt with Load Manager with front optical port
- + Optional pluggable Data Logger, Ethernet, USB, Rs485, GSM modem and capacitor protection modules
- + Saves Energy with P.F Control and Harmonic Filtration
- + Extremely long life expectancy
- + Integral 3 phase Power Quality Analyze showing upto 31st Harmonics
- + Voltage & Current Waveforms
- + Unique Self Testing and Comprehensive reporting and event logging
- + The compensation is based on averaging the FFT analysis of each cycle, resulting in more accurate compensation, even in the presence of harmonic
- + Available with Tuned, 7%, 5.6%, 4% or any other Tuning frequency as per customer request
- + System is available with Contactor switching for non-dynamic and normal loads – Ratings and Dimensions are same as Activcomp System

Technical Specifications

| # | Parameters |
|------------------------------------|---|
| Design | Standardized Modular Sheet Steel Enclosures |
| Enclosure Finish | Epoxy powder coated, in grey (RAL 7305) structure finish Internal parts: rust proof zinc passivated/power coated |
| Rated Volatge | 415V-440V/50Hz (Design available for 380V, 480V, 690V, 750V – 50/60Hz) |
| Output Rating | Refer to the table Other output ratings, switching combination or design voltagages are available upon request |
| Capacitors | DUCA POWDER Super Heavy Duty Series used are rated at 525V, 690V and 880V, 50/60Hz as per network voltage |
| Reactors | H-Class 5.6%, 7%,14% or other Tuning/Detuning rating on request |
| Incoming / Outgoing | MCCB / ACB as Incomer and HRC Fuses for backup protection (other combination on request) |
| Ambient Temperature | 50oC max short time 40oC average in 24 hours 35oC annual average -10oC low limit |
| Protection class | IP 40 |
| Unbalanced Activcomp System | For Unbalanced Activcomp System ratings & specifications – Contact our Sales Office |



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