

It's all about saving your money!



THYRISTOR SWITCHING MODULE (TSM)

For Capacitor Switching

Salient Features and Benefits

- ▶ Inrush current protected
- ▶ Unlimited number of switching operations with defined delay as per applicable.
- ▶ No noise emission during switching operations.
- ▶ Automatic thermal cut off.
- ▶ Compact Module, easy for connections.
- ▶ User friendly operation.
- ▶ No transients due to zero switching technology.
- ▶ Zero voltage switching 'ON' and Zero Current switching 'OFF'
- ▶ Long operation life.

Applications

Real Time (Dynamic) Power Factor Correction for

- ▶ Press loads
- ▶ Welding machines
- ▶ Cranes and Elevators
- ▶ Rolling Mills
- ▶ Wind turbines etc.

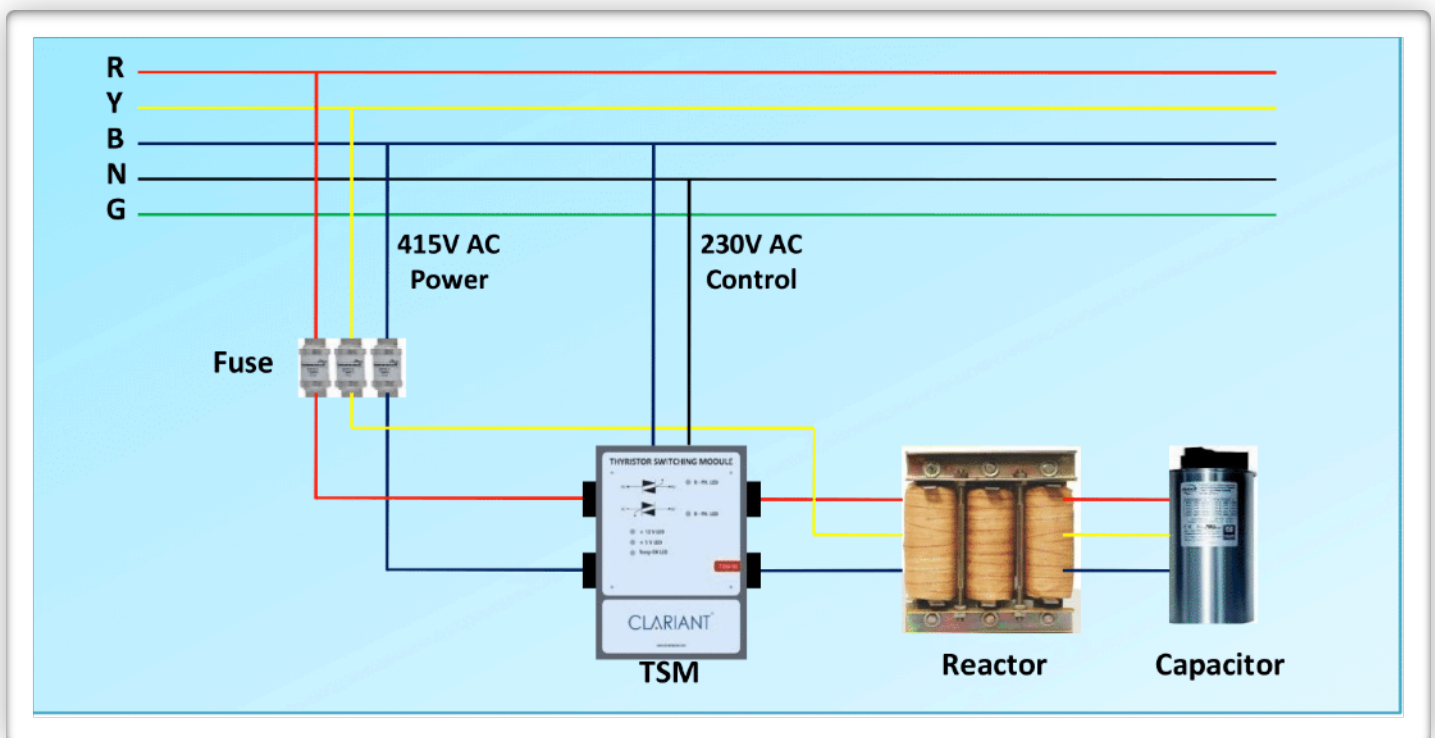




Technical Details

- ▶ System Operating Voltage: 380V to 660V AC available.
- ▶ Frequency: 50Hz/60Hz
- ▶ Stage KVAR: Available from 5KVAR and 200KVAR.
- ▶ Control Supply: 12V or 24V DC.
- ▶ LED Indication: Thyristor ON (R ph ON, B ph ON), +12V LED, +5V LED, Temp OK LED.
- ▶ Mounting Position: Vertical, minimum 100mm distance upwards and downwards.
- ▶ Assembling: Direct mounting on mounting plate.
- ▶ Cooling: Forced cooling
- ▶ Protection: Over temperature, dv/dt protection

Connection Diagram



General

- ▶ Detuned/Tuned Series Reactor is recommended in series with capacitor for thyristor module switching.
- ▶ Use Semi conductor or Fast acting HRC fuses at input side.



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