

New Product Information



TPS

Thyristor Power Supply (Voltage/Temperature Controller)

The latest addition to the Family of Thyristor Controlled Devices.

The world's first fully digital Thyristor Power System (Voltage/Heater Controller). The TPS has a heavy duty three phase power control unit for controlling the voltage applied to resistive loads such as heating elements. The TPS allows continuous automatic temperature control while eliminating contactor switching and over or under heating.



Advantages at a glance:

- Fully digital
- Zero-crossing
- Current: 50-1000 KW, 75-1500A
- Voltage: 230-690V 50/60Hz
- Input 0-10VDC or 4-20mA OR 0-20mA
- RS 485 communication
- Connection types:
 - Wye, w-w/o neutral
 - Delta
 - Inside delta
 - Parallel branch connection
- Load shedding – synchronization (future)
- 9 Protection functions
- LCD display (2 line 16 characters)
- LEDs:
 - Power ON (Green)
 - Start (Green)
 - Stop (Red)
 - Alarm (Red)
 - Trip (Red)
 - Sync (Yellow)

Applications :

- Heaters
- Electrolysis
- Multi-zone heating (heater/phase)
- Voltage controlled devices
- Dimmer for High Power lights
- Other types of resistive loads

