

## 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: 50-1000KW, 75-1500A
- Voltage: 230-690V 50/60Hz
- Input 0-10VDC or 4-20ma or 0-20ma
- RS485 Serial Communication
- Connection types
  - Y connection, Y-Y/O neutral
  - Delta
  - Inside Delta
  - Parallel branch connection
- Load sharing - synch (future)
- 9 Protective functions
- LCD display (2 line 16 Characters)
- LED's
  - 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 lighting
- Other types of resistive loads

