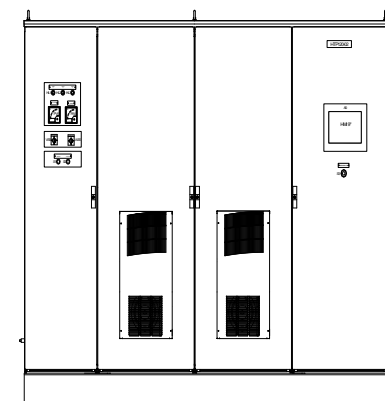


Line Sensing

CHPL series

Heat Tracing Control Panel for Ordinary Areas

- 9" Touch Screen HMI
- 32Amps/Circuit
- 48 Circuits
- IP56 Enclosure
- SSR Control
- Main Breaker
- Modbus TCP/IP Communication
- Full Alarm and Monitoring Capabilities on GFEP, Temperature, Sensor, Current Load & Communications
- Air Condition
- Power Socket



The 9" Touch Screen Computer provides real time display of process variable, set point, load current, load demand (%), operation mode type, alarm status and alarm type for any 6 circuits at a time as well as alarm status for all other circuits.

The Quick Launch buttons take you to any other 6-circuit real time display screen as well as the Setup, Fault, Manual Control Screen. All set point, alarm, security, time, circuit identification, tuning and control type mode settings are easily accomplished through the intuitive & familiar Windows based menu screens. All of these functions can be achieved remotely via Modbus TCP communications.

Description

The heat trace control panel of CHPL Series is a PLC and HMI Control/Monitoring and Power Management system for Line Sensing Heat Trace Applications and is suitable for use in ordinary areas.

The panel will handle 48 circuits and 60 circuits. Each circuit has a 32 Amperage capacity and accepts 400 VAC service. The SSR Control may be set to Automatic, which includes PID or On/Off control or to Manual, which spans a 0% to 100% control output.

The HMI is a 9" user friendly touch screen computer. It displays the process variable, temperature setpoint, alarm status, current load, control mode, sensor failure manual override output for any 6 circuits at a time as well as the alarm status for all other circuits.

The CHPL Control Panel Series provide alarms for high and low temperatures, current load, communications, sensor faults and ground fault leakage. There are several output/control behavior scenarios for the ground fault (GFEP) alarm condition. Choices include Trip and/or Latch options in which both, either or none may be enabled. Trip sets the output to zero %, while Latch requires a manual reset. Alarm events are automatically logged and stored for easy access.

Advanced standard features, off duty Auto Cycle maintenance program and Modbus TCP communications. Include remote monitoring and control communications.

Touch Screen:

- 6 Circuit displayed/screen.
- Quick launch to any 6 circuit group, Setup Menu or System Screens.
- Full User Setting Capabilities - Specific Circuit Naming/Identification, set points, units, alarms, etc.
- Remote Desktop Monitoring.

Enclosure Features:

- IP56 304 SS Enclosure
- Enclosure internal lighting
- With rain cover

Technical Specifications

Panel Specifications

Supply Voltage:400 VAC, 3 phase+N
Operating Environment:0°C to +45°C
Enclosure:..... IP56 304 SS
Enclosure Size: 2300mm (H) X 3456mm (W) X770mm (D)
Control/Monitoring: PLC/HMI
Communications: Modbus TCP
Alarms: Hi/Lo Temp, GFEP – 20 mA to 100 mA, Lo Current – 0.1 to 50A
Input: 100Ω Platinum 3-wire RTD
Output:..... SSR, Zero cross fired
Current Maximum:..... 32 Amps/Circuit at 45°C
Control Mode: Auto, Manual (Hand)
Auto: PID or ON/OFF with adjustable dead band
Manual: 0% - 100% output
Load Management: DOT (Demand On Transfer) timing or ON-OFF
Area Classifications: Ordinary Areas