Plant Master

PMSTR-4000

Multiple efficiency controller panel with 7" touchscreen interface

The PMSTR-4000 Plant Master provides central control of a steam or hot water system for up to eight NXF4000 or PPC4000 control units. The connection to each control uses standard Modbus wiring.

The PMSTR-4000 offers increased savings during operation by considering how many units to operate as a system, rather than allowing each unit to calculate an independent demand. Automatic lead rotation promotes even operating hours over time.
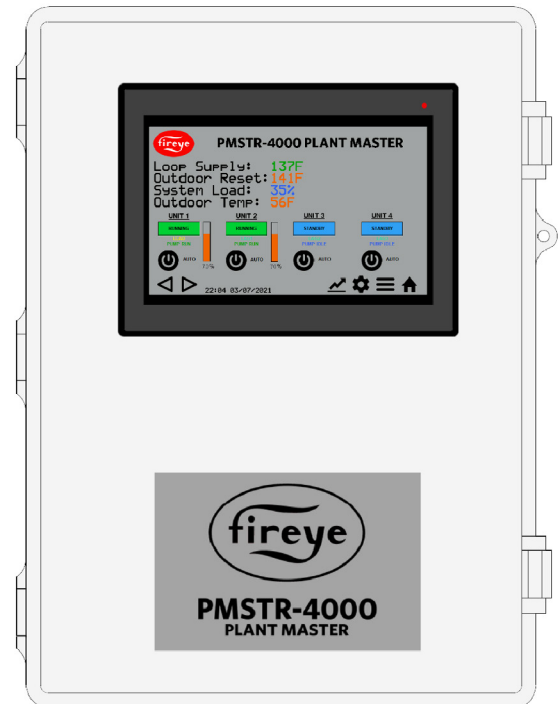
The PMSTR-4000 can be used in conjunction with any compatible NXF4000 or PPC4000 user interface. Local functionality such as thermal shock and hot standby can still be used.

Applications

Schools, hospitals or any facilities with multiple NXF4000 and/or PPC4000 controls can benefit from installation of the PMSTR-4000 Plant Master. Low initial cost and ease of installation make installing a PMSTR-4000 Plant Master an easy decision.

Features

- 7" touchscreen interface
- Controls up to eight NXF4000 and/or PPC4000 controls in any combination
- Standard Modbus wiring is used to connect all controls in series using a dedicated sequencing bus
- User scalable 4-20mA centralized temperature or pressure sensor input
- Additional scalable 4-20mA input for an outdoor temperature sensor allows for outdoor temperature reset setpoint and warm weather system shutdown to be used
- Real-time clock allows entry of an occupancy schedule to change setpoints or enable/disable the system
- 4-20mA analog output reflects current system load

- Pump outputs can be used with optional feedback for proving operation
- Time-stamped trend display comparing the actual temperature/pressure against the setpoint
- UL508A Enclosed Industrial Control Panel
- IP66/NEMA4X rated
- Connected controls will timeout and revert to local operation upon a loss of communication
- Modbus TCP/IP and Modbus RTU (RS232 or RS485) interfaces allows read/write access
- BACnet /IP, BACnet MS/TP and Ethernet/IP are available with the MB485ETH-CG communication gateway

For more information, please contact your local Fireye Distributor.

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