

TECHNICAL DATA SHEET

WATER HEATER CONTROLLER

FEATURES:

- 4.3 HMI Touchscreen
- Feedforward Logic Controller includes 1/8 DIN with LCD display (back-up interface)
- Data Logging
- Fault Log
- Trending/Graphing
- RS485 MODBUS® Data Port
- Compatibility with Modbus IP and BacNet IP BAS system standard without the need for external gateway.
- A gateway can be used for all other protocols



The NEW DHT state of the art control system offers unmatched performance and full user configurability for water heater applications. It features a durable temperature sensor transmitting a millivolt signal through quality twisted shielded wiring. The signal transmits directly into the advanced PID controller, which in turn sends a signal to the electrically activated fully modulating and fast acting control valve to achieve accurate temperature control over various demand situations. The controller has a 4.3-inch TFT color touchscreen user interface and is compatible with a Building Management System via ModBus or built-in BacNet IP. Optional communications gateway is also available for other communication protocols.

Enclosure Dimensions	12”H x 10” W x 7” D
Display	4.3” TFT Color LCD
Graphics Display Resolution/ Colors	480 x 272 pixels w/ 65,536 display colors
Backlight	White LED, service life 50,000 hours and 24hr operation
Brightness control	16 Levels (Adjusted with touch panel)
Operating Mode	Single Tone, Visual Indicator
Sound Level	80dB @ 10cm, 24VAC
Memory:	8Gb
Interfaces:	Ethernet 10/100 Base-T, USB 2.0 Type A with 5V DC PSU and mini B
Supply Voltage	120/240 VAC
Certifications	NEMA 4, UL

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