TOUCH15 Thermostat

7'' Capacitive Touchscreen

Linux Based

Ideal for Commercial Applications

Customizable Design

Designed for Energy Management System

Ideal for:
- Commercial HVAC systems
- Energy conserving applications
- Residential applications

Description

The TOUCH15 is a high end thermostat with extensive compatibility for most HVAC and home and building automation systems. The modern user interface element is what customers now expect in this category.

Our thermostat adapts itself to your customer preferences or product strategy.

TOUCH15 thermostat is communicating, which enables its operation for standalone, central, or in a multi-room intelligent system. The flexible communication protocol paves the way for remote sensors, remote thermostats or even Internet-enabled system through a Wi-Fi bridge. Commercial application allows you to monitor, control and insure the maintenance of an intelligent network of devices using a BacNet.

Key features

Communication
- BACnet ready
- WiFi ready
- Modbus ready
- IoT services: OTA updates & Mobile apps

Sensors available
- Ambient air temperature sensor
- Ambient air relative humidity sensor
- Ambient air quality sensor
- Communication with remote sensors

User interface
- Large, full color LCD display
- Capacitive touch screen

Control logic
- Real time clock for time-based operation (1x RTC + battery backup)
- Non volatile memory for settings storage

Tailored to fit your needs

- User interface graphic elements
- Enclosure printings, color, brand name
- User interface behavior
- Control logic and algorithms

M2S ELECTRONICS

Specifications

Ambient air quality sensor
TVOC, CO_2, PM available

Ambient humidity sensor
Up to ±5% precision
No calibration required

Ambient temperature sensor
Up to ±1°F/±0.5°C precision

LCD display
Available in 7''
Full color
High contrast
Wide viewing angle
Capacitive touch screen

Dimensions (H x W x D)
7'' display (800x480)
5.00 x 6.40 x 0.95 in
127 x 163 x 24 mm

Electrical interface
4 wires, 22-14 AWG
Screw terminals on rear plate

Operating temperature
32 to 122°F (0 to 50°C)

Storage temperature
-22 to 131°F (-30 to 55°C)

Operating relative humidity
0 to 95% non condensing

Communication
BACnet ready
  MS/TP physical layer
  Up to 4000 ft total length
  Based on TIA/EIA-485

Wifi 802.11 option
  802.11b/g/n compliant
  2.4GHz IEEE

Modubus RTU

I/O Controls
Up to 8 outputs 24Vac
Up to 2 inputs 24Vac
Up to 2 analogic inputs 0-10V
Up to 2 analogic outputs
0-10V
1X USB port

Software
1x Modbus RTU
BACnet option
All Ethernet functionalities
supported by standard LAN
Openweather API access
Linux Http server available
Embedded Vanilla Linux
Other Linux distribution
upon requested
Reprogrammable fields: USB
Automatic WiFi updates

The images, texts, graphics, information and specifications are not contractual. Some elements and options can be modified.
Pictures contain actual customized elements.

M2S thermostats family

LT15   **CHU15**   **EVO15**   **TNG15**   **TOUCH15**   **TOUCH17**