iStatE
Programmable TCP/Modbus thermostat

Description:

This full-featured programmable TCP/Modbus thermostat is specifically designed by our engineers for full compatibility with ControlCore software products.

In conjunction with the ControlCore suite, it provides unique features, full programmability, easy Modbus integration, all at one of the best performance/price ratio available on the market.

Highlights:

Customizable TFT/IPS color screen
Wi-Fi and Bluetooth support, TCP/IP connection
Embedded humidity sensor
High impact plastic enclosure, provides durability in commercial environments
8 AUI, 4 AO, 4-20mA option, 5 relays
Real Time Clock
Photo cell (measures ambient light)

Technical Data:

iStatE:

5 relays x 2amps @24V
8 AUI, jumper selectable (Therm, 0-10V, 4-20ma), dry contact, 12 bit resolution
AUIs are software configurable as Analog/Digital/Counter/Frequency inputs
4 AO, jumper selectable: 0-10V (30mA max) or 4-20mA mode, 10 bit resolution

Default Modbus address:
255

Operating temperature:
-30-50°C (-22~122°F)

Supply voltage:
16~24V AC/DC, 50-60Hz
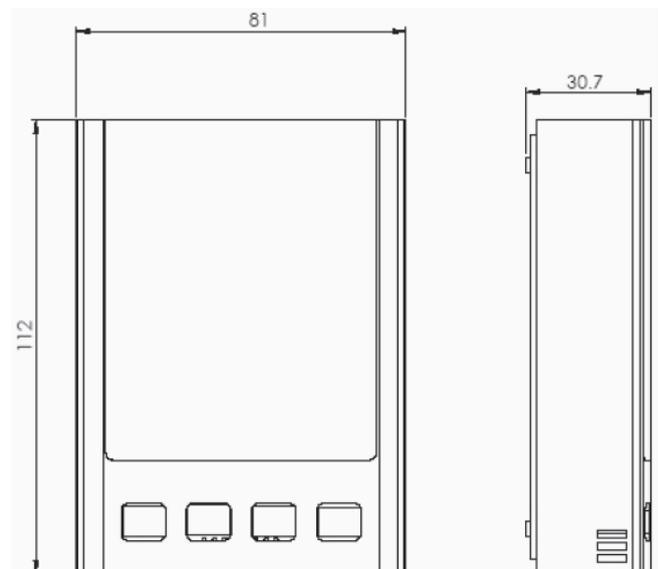
Relay contacts rating
2A @ 24VDC
UL File No.: E43149CSA File No.: LR26550

Ambient humidity:
10-90 %Rh

Operating Environment
0 ~ 99% humidity non condensing

iStatE
Programmable TCP/Modbus thermostat

Technical Data:

Plastic Housing:
Flammability rating UL 94V0 file E194560

Enclosure rating:
IP31

Temperature sensor:
10K thermistor ±0.5°C

Programmable momentary push-button

**Supports ControlCoreTM and standard Modbus/RTU protocol
RS485 interface 19200 / 8-N-1
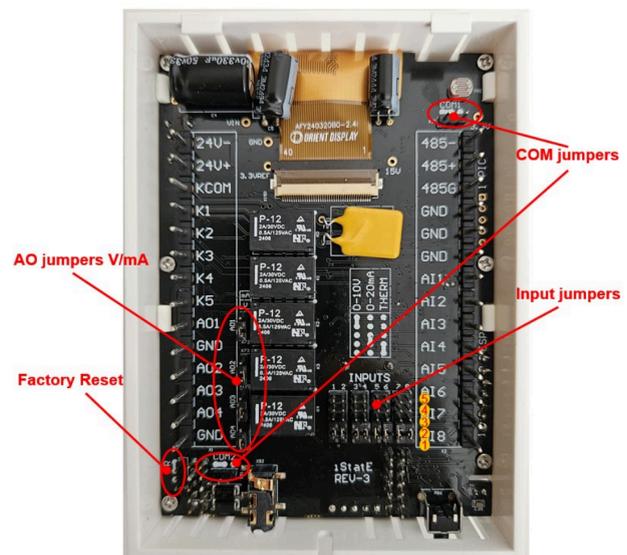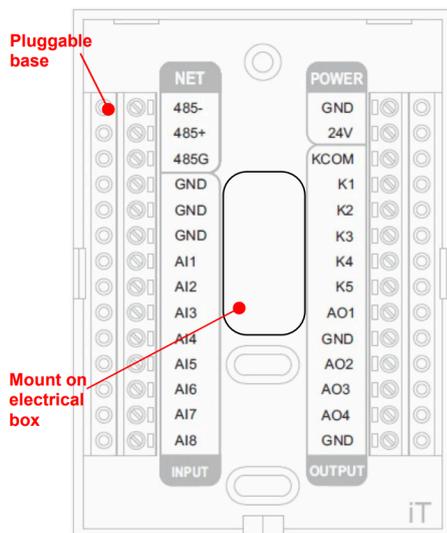User selectable baud rates (9600, 19200, 38400, 57600, 115200)**
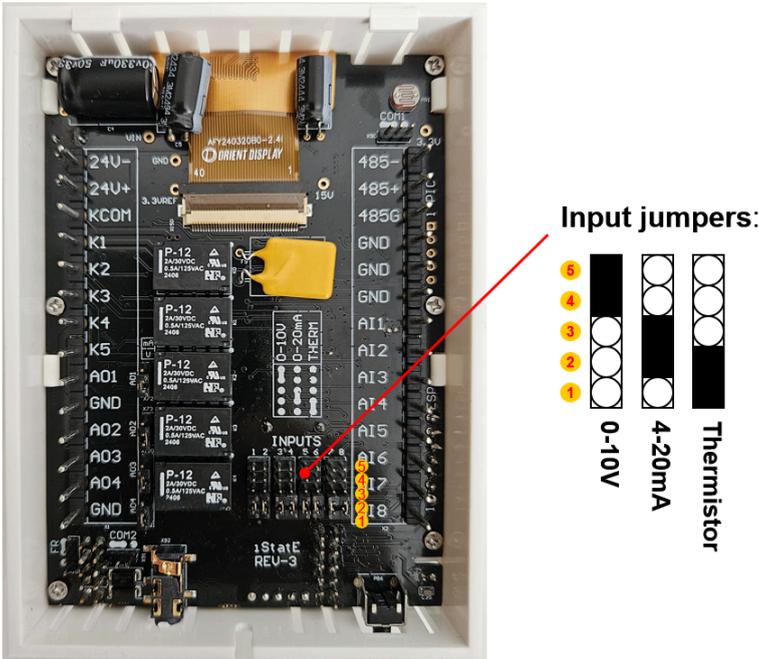
Colour
White/Off-white

Weight
200g

---

iStatE board:

iStatE
Programmable TCP/Modbus thermostat

Jumper settings:

Input jumpers:

0-10V 4-20mA Thermistor

Wiring diagram:

Modbus RS485

NET
- 485-
- 485+
- 485G
- GND
- GND
- GND
- AI1
- AI2
- AI3
- AI4
- AI5
- AI6
- AI7
- AI8

INPUT

POWER
- GND
- 24V
- KCOM
- K1
- K2
- K3
- K4
- K5
- AO1
- GND
- AO2
- AO3
- AO4
- GND

OUTPUT

iT
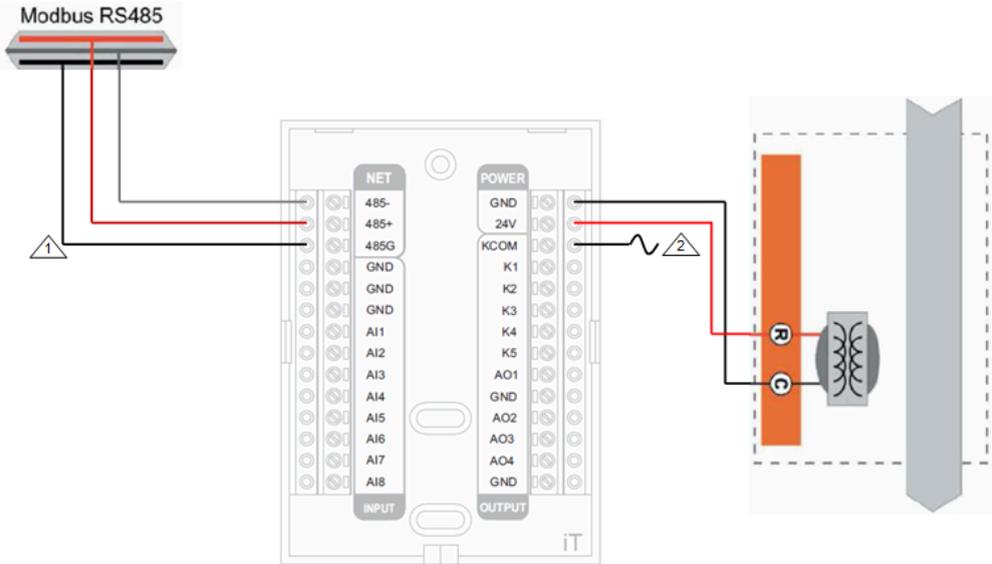
⚠ Optional Network
⚠ Relay Rating: Dry contact, 2A any one relay, 4A combined

iStatE
Programmable TCP/Modbus thermostat

One Year Guarantee and Limitation of Liability:

iSquared Software Inc. warrants to the original purchaser that this product is free from defects in materials and workmanship under normal use and service for a period of one (1) year from the date of shipment from the factory or an authorized sales channel.

iSquared Software Inc.'s liability under this warranty is limited solely to the repair or replacement of defective products. Upon expiration of the warranty period, all such liability shall terminate.

iStatE
Programmable TCP/Modbus thermostat