Supracontrol BIZ-TH100e
Temperature and Humidity Controller

DESCRIPTION

Supracontrol BIZ-TH100e Temperature and Humidity Controller is an IP-based controller designed to measure temperature and humidity with the ability of gathering and monitoring relevant temperature and humidity data. The Controller includes an integrated web management application and Cloud Service. It comes with an active PoE power supply with two digital inputs and two relay outputs.

FEATURES

- Factory-calibrated, high accuracy sensor
- Built-in web server with SMC Business software for Controller management and configuration
- Alarm notification via email or SMS
- Communication via secured HTTPS protocol (TLS 1.2)
- Powered by Power over Ethernet (PoE IEEE 802.3af)
- Integrated DHCP client
- Firmware updates over IP network
- Free API for 3P integration
- Free SMC Business Cloud platform with real-time monitoring, alarm logs and graphical trend view over the Internet
- Free SMC Business Mobile application allows monitoring and control over the Internet (iOS and Android versions available at respective stores)
- Two signal relay outputs for 3P device control
- Two digital inputs (dry contact) for the connection of contact-closure sensors such as door sensor, motion detect sensor, water sensor or smoke sensor

SPECIFICATIONS

Indicators	Power (green LED), Alarm (red LED)
Communication	Ethernet 10/100Base-T networks compatible
Protocols	TCP/IP, UDP, HTTP, SMTP, DHCP, DNS, NetBIOS, HTTPS, SSL/TLS
Ports	RJ45 Ethernet port, 2 Digital inputs, 2 Digital outputs
Digital inputs	2 Dry contact digital inputs, opto-isolated (12 VDC)
Digital outputs	2 Small signal latching relays 60 VA (0.25 A@230 V – 2 A@ 30V)

SPECIFICATIONS

Sensor measuring range	Temperature: -40 – 125 °C Humidity: 0 – 100 %RH
Sensor accuracy	Temperature: ±0,3 °C Humidity: ±2 %RH
Sensor resolution	Temperature: 0,01 °C Humidity: 0,04 %RH
Device operating conditions	Temperature: -5 – 55 °C Relative humidity: 0 – 95 %RH (non-condensing)
Device storage conditions	Temperature: -20 – 65 °C Relative humidity: 0 – 95 %RH (non-condensing)
Input voltage	DC 48 V (PoE IEEE 802.3af)
Power consumption	Max 30 mA @ 48 V
Dimensions	Height: 92 mm Width: 66 mm Depth: 28 mm
Weight	Netto: 73 g Brutto: 360 g (with packaging)