

TP Touch Point

The **TP Touch Point** panel is a part of a comprehensive iSMA Comfort Management solution. The panel is equipped with a temperature sensor and, optionally, with humidity and CO₂ sensors. The panel has a modern and smart design, thanks to the front glass cover; it is equipped with a TFT display, has a sensitive touchscreen and compact dimensions (86 x 86 mm). It allows for easy and intuitive management of interior conditions. The panel provides occupancy-based control, CO₂ alarms, and fan control.

The panel can be configured using the iSMA Configurator software or Modbus registers/BACnet objects. It fits most of standard junction boxes in Europe and can be easily installed using a wall back box.

Key Features

- Solution for room comfort management
- Modbus RTU/ASCII and BACnet MS/TP communication
- NTC type temperature sensor and humidity/CO₂ sensors (optionally)
- TFT 0.96" display (optionally)
- 5 touch buttons for occupancy, temperature, and fan control
- 2 RJ45 connectors (power supply and RS485)
- Screw terminals (power supply and RS485)
- DIP switch for protocol selection, restoring factory settings, and RS485 termination
- USB 2.0, type C
- Illuminated LCD
- Navigation LED to locate the panel in the dark
- Buzzer
- Dimensions: 86 x 86 mm
- 24 V AC/DC ± 20% power supply



TP Touch Point

Specification

Temperature Sensor

- Type: 10k NTC
- Accuracy: $\pm 0,5^{\circ}\text{C}$
- Resolution: $\pm 0,1^{\circ}\text{C}$

Humidity Sensor

- Range: 0-100% RH
- Accuracy: $\pm 2\%$ RH in range 10-90% RH
- Resolution: $\pm 0,1^{\circ}\text{C}$

CO2 Sensor

- Range: 400-10000 ppm
- Accuracy: ± 30 ppm

Power Supply

- 24 V AC/DC $\pm 20\%$

Communication

- Modbus RTU/ASCII and BACnet MS/TP
- Baudrate: 4800-115200
- RS485 (2 RJ45 terminals)
- USB 2.0, type C

Housing

- Plastic, self-extinguishing ABS
- Standard 60 mm wall back box
- Dimensions: 86 x 86 x 14,5 mm (3.39 x 3.39 x 0.57 in)

Environment

- Operating temperature: 0°C to $+50^{\circ}\text{C}$
- Storage temperature: -40°C to $+85^{\circ}\text{C}$
- Relative humidity: 5 to 95% RH (without condensation)
- Ingress protection: IP 20 (for indoor installation)

Versions

Type	Display	Temperature Sensor	CO2 Sensor	Humidity Sensor
TP		✓		
TP-C		✓	✓	
TP-H		✓		✓
TP-HC		✓	✓	✓
TP-DISP	✓	✓		
TP-C-DISP	✓	✓	✓	
TP-H-DISP	✓	✓		✓
TP-HC-DISP	✓	✓	✓	✓

Note: All panels are available in black or white, which is reflected in the last letter of the product code, e.g., TP-H-DISP-B or TP-C-W.

