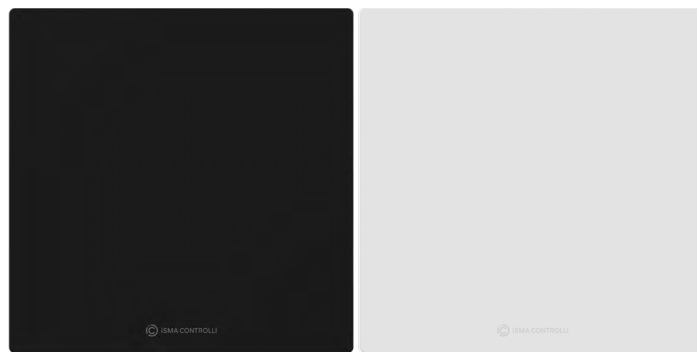


MODEL	SENSORS		
	TEMPERATURE	CO ₂	HUMIDITY
TP-NS-B/W*-2	•		
TP-NS-C-B/W*-2	•	•	
TP-NS-H-B/W*-2	•		•
TP-NS-HC-B/W*-2	•	•	•

*B/W: all panels are available in black or white, which is reflected in the B (black)/W (white) letter of the product code, e.g., TP-NS-B-2 or TP-NS-C-W-2.



APPLICATION AND USE

The Touch Point Network Sensor 2.0 is a wall-mounted panel designed to measure temperature, humidity, and CO₂ levels (depending on the panel's version). It features an RS485 interface for communication with a zone controller or a BMS master controller. The panel does not include a user interface, such as a display or touch buttons. The panel can be configured using the iSMA Configurator software or via Modbus registers/BACnet objects. Thanks to the Smart Plug™ interfaces, installation is fast and simple, while daisy-chain connectivity ensures flexible system expansion. It fits most of standard junction boxes in Europe and can easily be installed using a wall back box.

FEATURES

- Designed to fit any interior with an elegant black or pure white glass front
- Intuitive management with touch buttons
- Ease of configuration with a free iSMA Configurator app and USB-C connection
- 2 Smart Plug™ connectors, combining serial communication and power supply in a single RJ45 port
- 1 screw connector for direct RS485 and power supply
- Daisy-chain support
- Directly powered from controllers supporting Smart Plug™
- Flexible sensors configurations with temperature, humidity, and CO₂ sensors
- Open communication with Modbus RTU/ASCII and BACnet MS/TP, selectable with a DIP switch
- Alarm functionality for high CO₂ levels
- Freely configurable RGB LED
- Flush wall box 60 mm, US 1-gang electrical outlet box

TECHNICAL CHARACTERISTICS

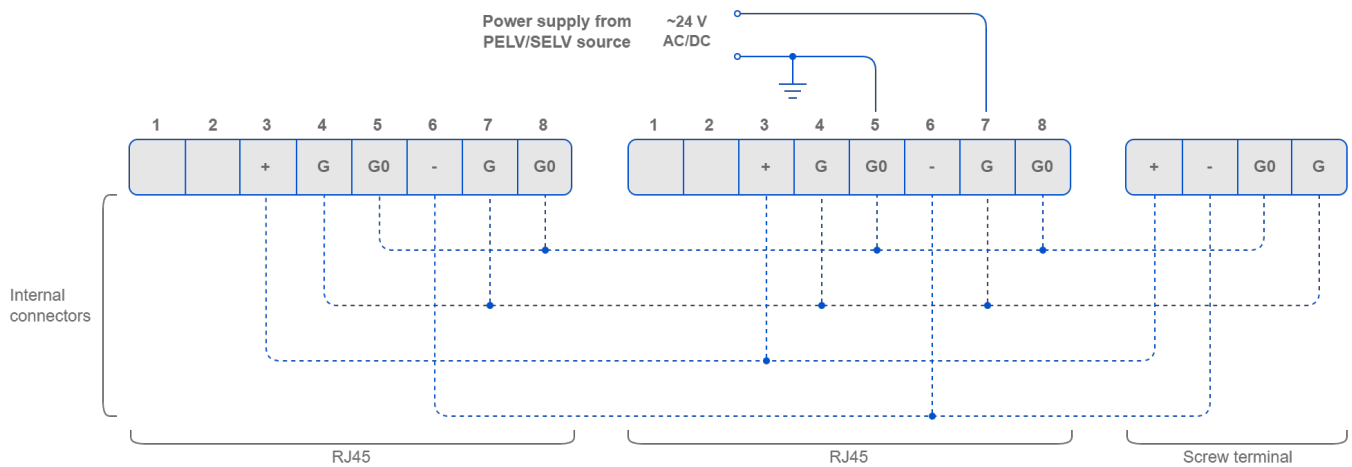
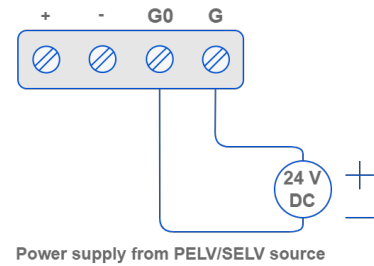
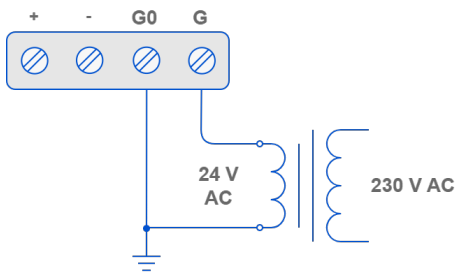
DESCRIPTION		TOUCH POINT NETWORK SENSOR 2.0
Power supply	Voltage	DC: 20-40 V, AC: 24 V ± 20%
	Power consumption	0.44 W at 24 V DC, 1.55 VA at 24 V AC
Built-in sensors	Temperature sensor	10k NTC type, range: 0-50°C, accuracy: ± 0.5°C, resolution: ± 0.1°C
	Humidity sensor (applies to version with humidity sensor)	Range: 0-100% RH, accuracy: ± 2% RH in range 10-90% RH, resolution: ± 0.1% RH
	CO ₂ sensor (applies to version with CO ₂ sensor)	Range: 400-2000 ppm, accuracy: 50 ppm + 5% of reading
COM1	RS485 interface	Up to 128 devices
	Communication protocols	Half- duplex
	Ports	Modbus RTU/ ASCII, BACnet MS/TP
	Baud rate	2 Smart Plug RJ45 + screw connector
USB1	USB 2.0	2400-115200
Front panel	Surface	USB type C
	LED	White/black glass
Ingress protection	IP rating	1 navigation (configurable RGB)
		IP20 for indoor installation

The performances stated in this sheet can be modified without any prior notice.

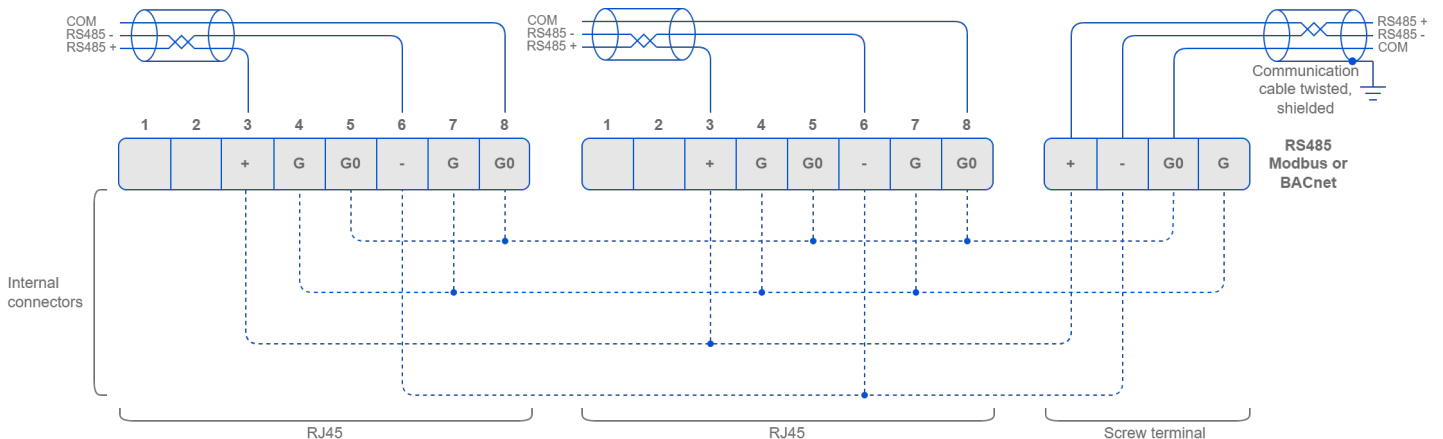
DESCRIPTION		TOUCH POINT NETWORK SENSOR 2.0
Temperature	Operating	From 0°C to +40°C
	Storage	From -40°C to +70°C
Humidity	Relative	From 5% to 95% RH (without condensation)
Screw connector	Type	Removable screw terminals
	Maximum cable size	1.5 mm ² (24...16 AWG)
Housing	Material	Plastic, self-extinguishing ABS
	Mounting	Standard 60 mm wall back box
Dimensions	Width	86.00 mm/3.39 in
	Length	86.00 mm/3.39 in
	Height	14.80 mm/0.58 in

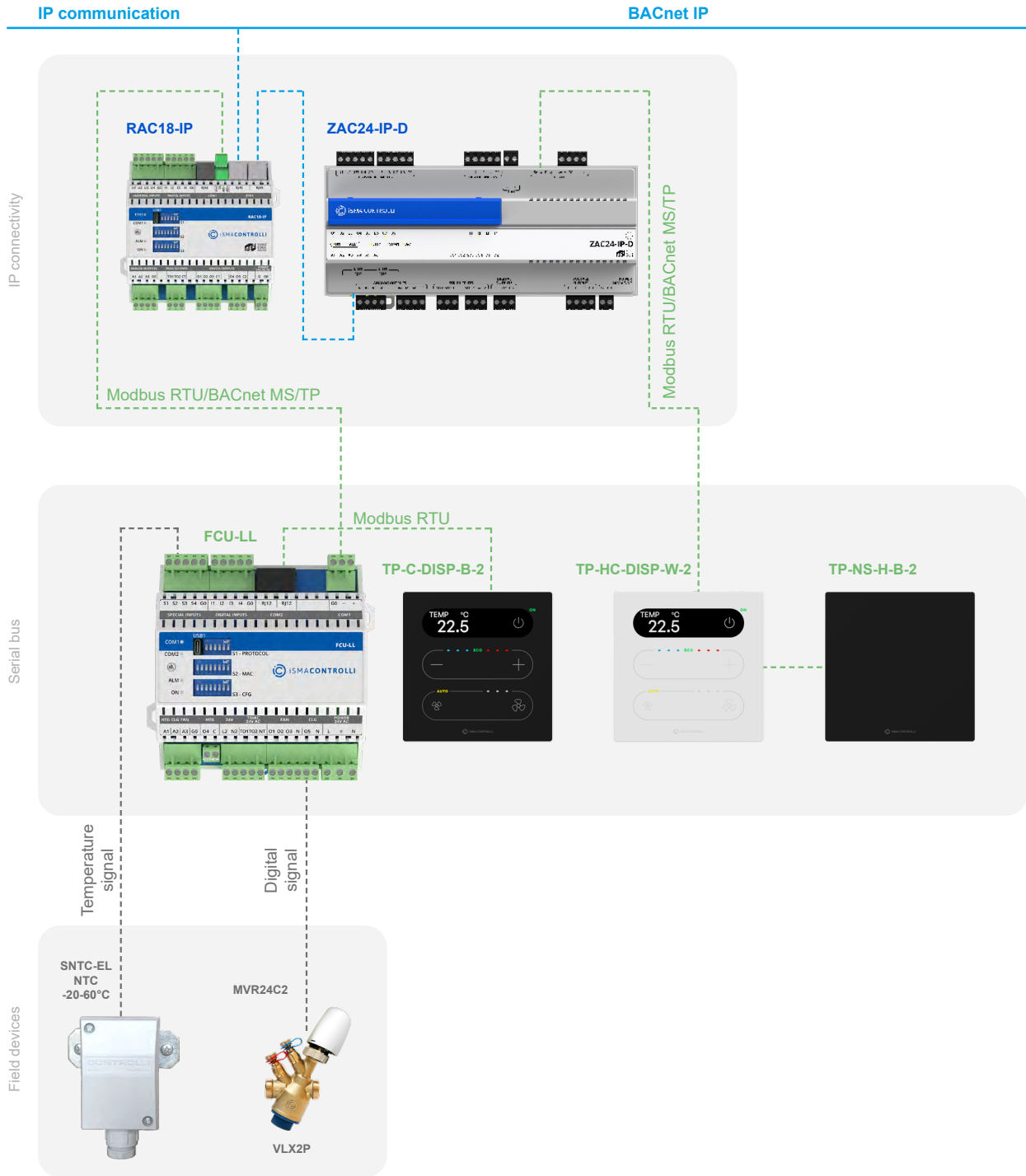
WIRING DIAGRAMS

Power Supply



Communication





DEDICATED SOFTWARE



iSMA Configurator - configuration tool for non-programmable iSMA CONTROLLI devices

