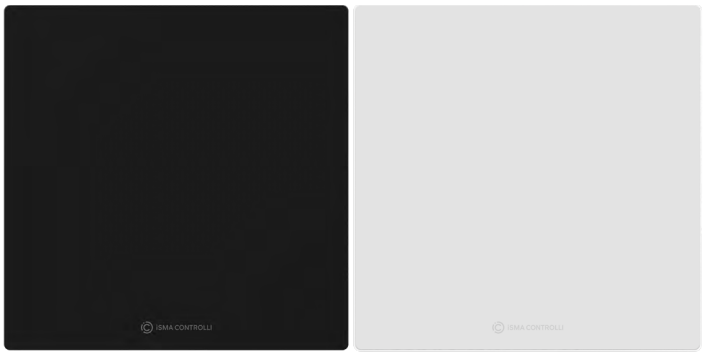
Touch Point Network Sensor 2.0

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 CO^2 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 CO^2 sensors
- Open communication with Modbus RTU/ASCII and BACnet MS/TP, selectable with a DIP switch
- Alarm functionality for high CO^2 levels
- Freely configurable RGB LED
- Flush wall box 60 mm, US 1-gang electrical outlet box

TECHNICAL CHARACTERISTICS

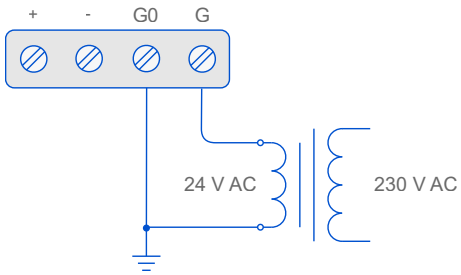
DESCRIPTION		TOUCH POINT NETWORK SENSOR 2.0
Power supply	Voltage	DC: 20-40 V, AC: 24 V ± 20%
	Power consumption	0.44 W at 24 V DC, 1.55 VA at 24 V AC
Built-in sensors	Temperature sensor	10k NTC type, range: 0-50℃, accuracy: ± 0.5℃, resolution: ± 0.1℃
	Humidity sensor (applies to version with humidity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

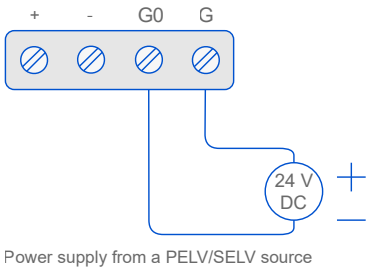
The performances stated in this sheet can be modified without any prior notice.

DESCRIPTION		TOUCH POINT NETWORK SENSOR 2.0
Temperature	Operating	From 0℃ to +40℃
	Storage	From -40℃ to +70℃
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
	Lenght	86.00 mm/3.39 in
	Height	14.80 mm/0.58 in

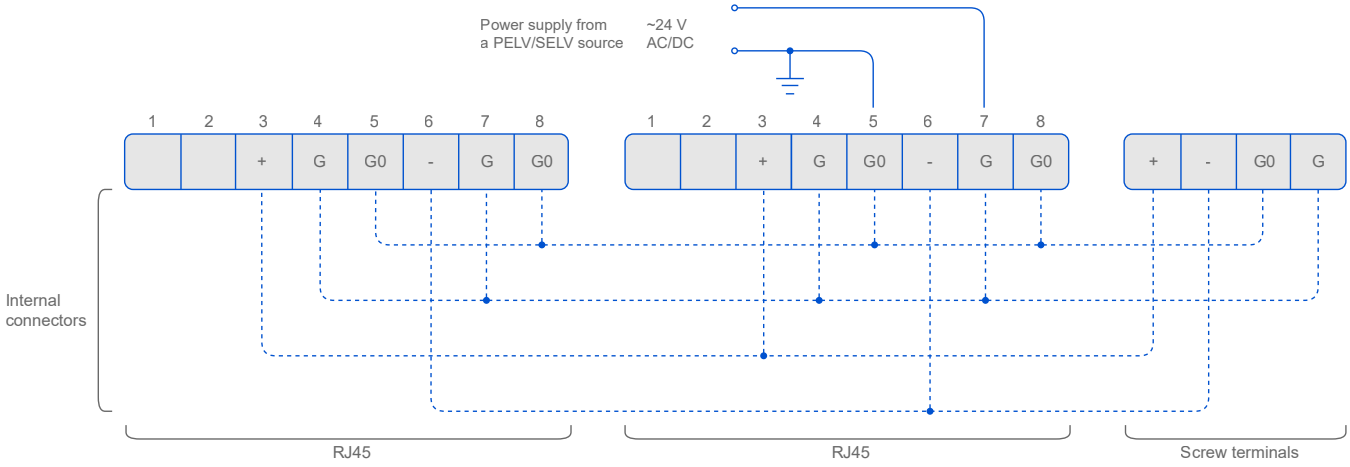
WIRING DIAGRAMS

Power Supply

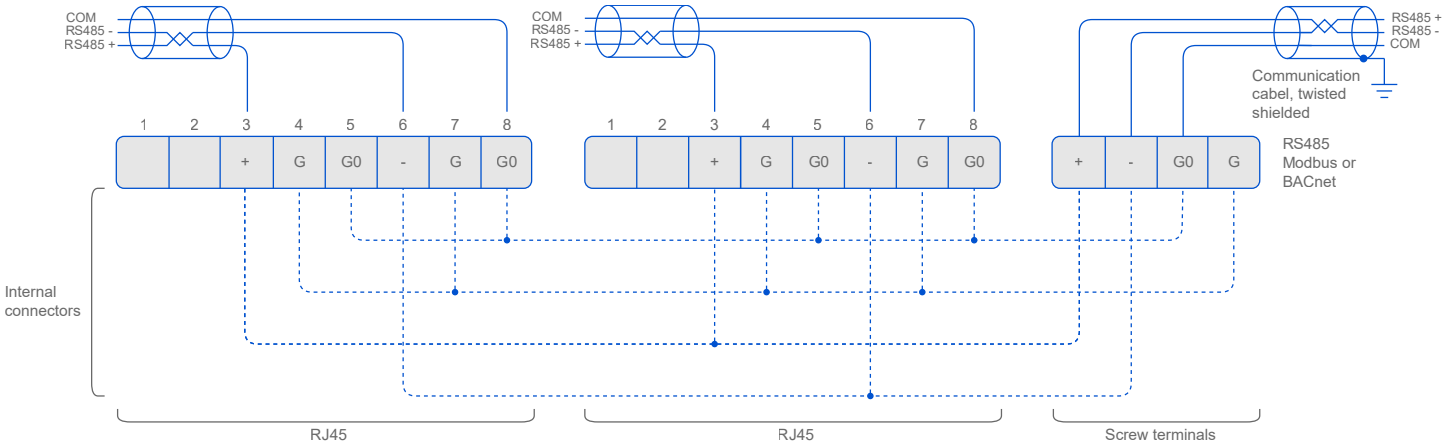




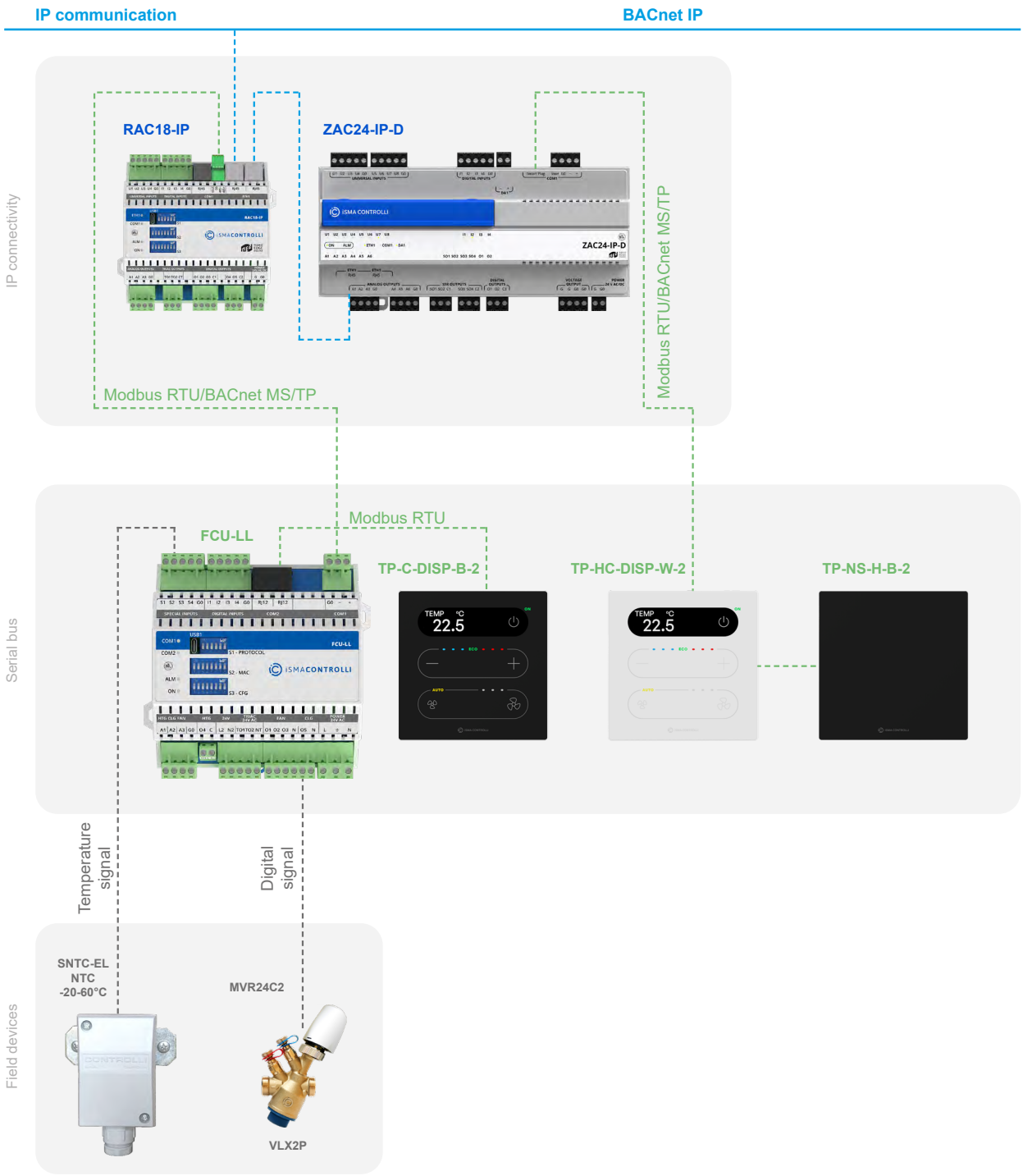
Power supply from a PELV/SELV source



Communication



APPLICATION EXAMPLE



DEDICATED SOFTWARE

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

DIMENSIONS [mm]

