

Touch Point Network Sensor



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

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



APPLICATION AND USE

The Touch Point Network Sensor 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. It fits most of standard junction boxes in Europe and can easily be installed using a wall back box.

FEATURES

- Modern and smart design
- Ease of installation and configuration
- Multiprotocol interface
- Ultimate flexibility
- Free software: iC Tool & iSMA Configurator
- Modbus RTU/ASCII and BACnet MS/TP
- Temperature sensor as a standard, humidity and CO₂ sensors as an option
- RS485 interface
- USB type C interface
- DIP switches for configuration
- Buzzer
- Navigation RGB LED

TECHNICAL CHARACTERISTICS

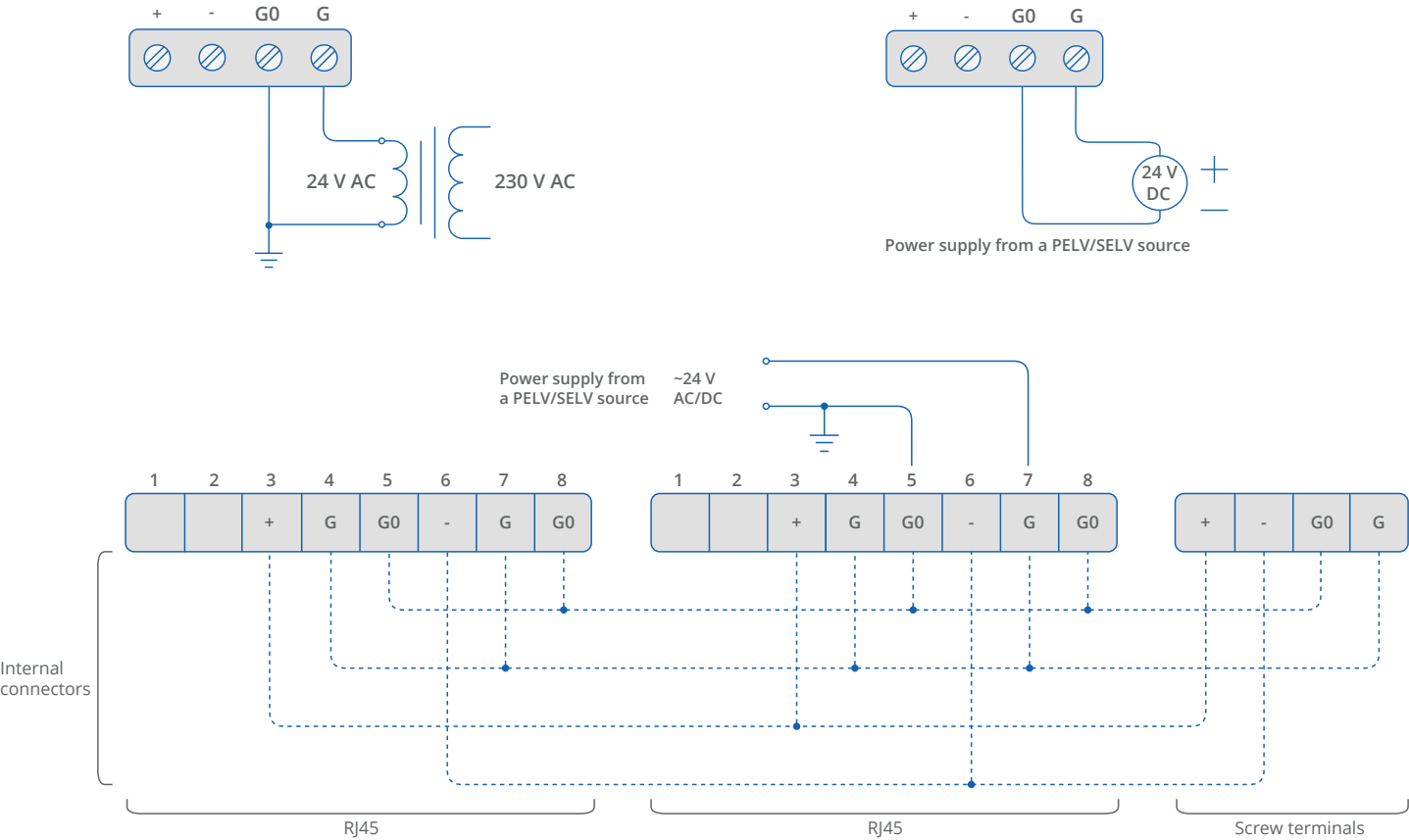
DESCRIPTION		TOUCH POINT
Power supply	Voltage	20-34 V DC
		24 V AC \pm 20%
	Power consumption	0.5 W at 24 V DC, 0.75 VA at 24 V AC Up to 1 W peaks in max. configuration
Built-in sensors	Temperature sensor	10k NTC type, range: 0-50°C, accuracy: \pm 0.5°C, resolution: \pm 0.1°C
	Humidity sensor (applies to version with humidity sensor)	Range: 0-100% RH, accuracy: \pm 2% RH in range 10-90% RH, resolution: \pm 0.1% RH
	CO ₂ sensor (applies to version with CO ₂ sensor)	Range: 400-4000 ppm, accuracy: \pm 30 ppm
COM1	RS485 interface	Up to 128 devices
		Half- duplex
	Communication protocols	Modbus RTU/ ASCII, BACnet MS/TP
	Ports	2 RJ45 + screw connector
	Baud rate	2400-115200
USB1	USB 2.0	USB type C
Front panel	Surface	White/black glass
	LED	1 configurable RGB

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

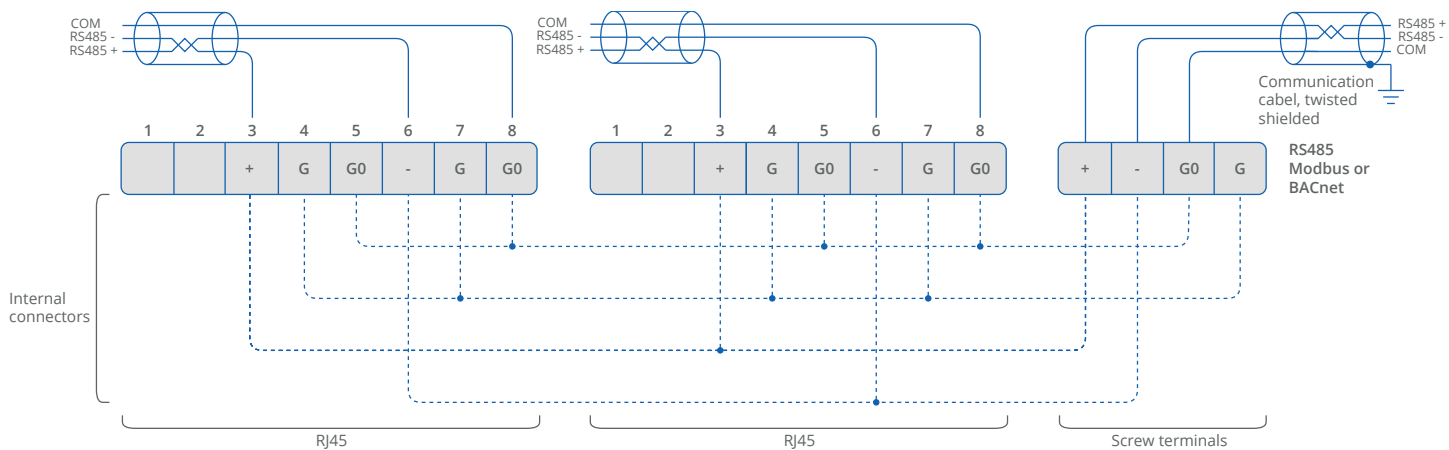
DESCRIPTION		TOUCH POINT
Ingress protection	IP rating	IP20 for indoor installation
Temperature	Operating	From 0°C to +40°C
	Storage	From -40°C to +70°C
Humidity	Relative	From 5% to 95% RH (without condensation)
Screw connector	Type	Removable screw terminals
	Maximum cable size	1.5 mm ² (24...16 AWG)
Housing	Material	Plastic, self-extinguishing ABS
	Mounting	Standard 60 mm wall back box
Dimensions	Width	86.00 mm/3.39 in
	Lenght	86.00 mm/3.39 in
	Height	14.50 mm/0.57 in

WIRING DIAGRAMS

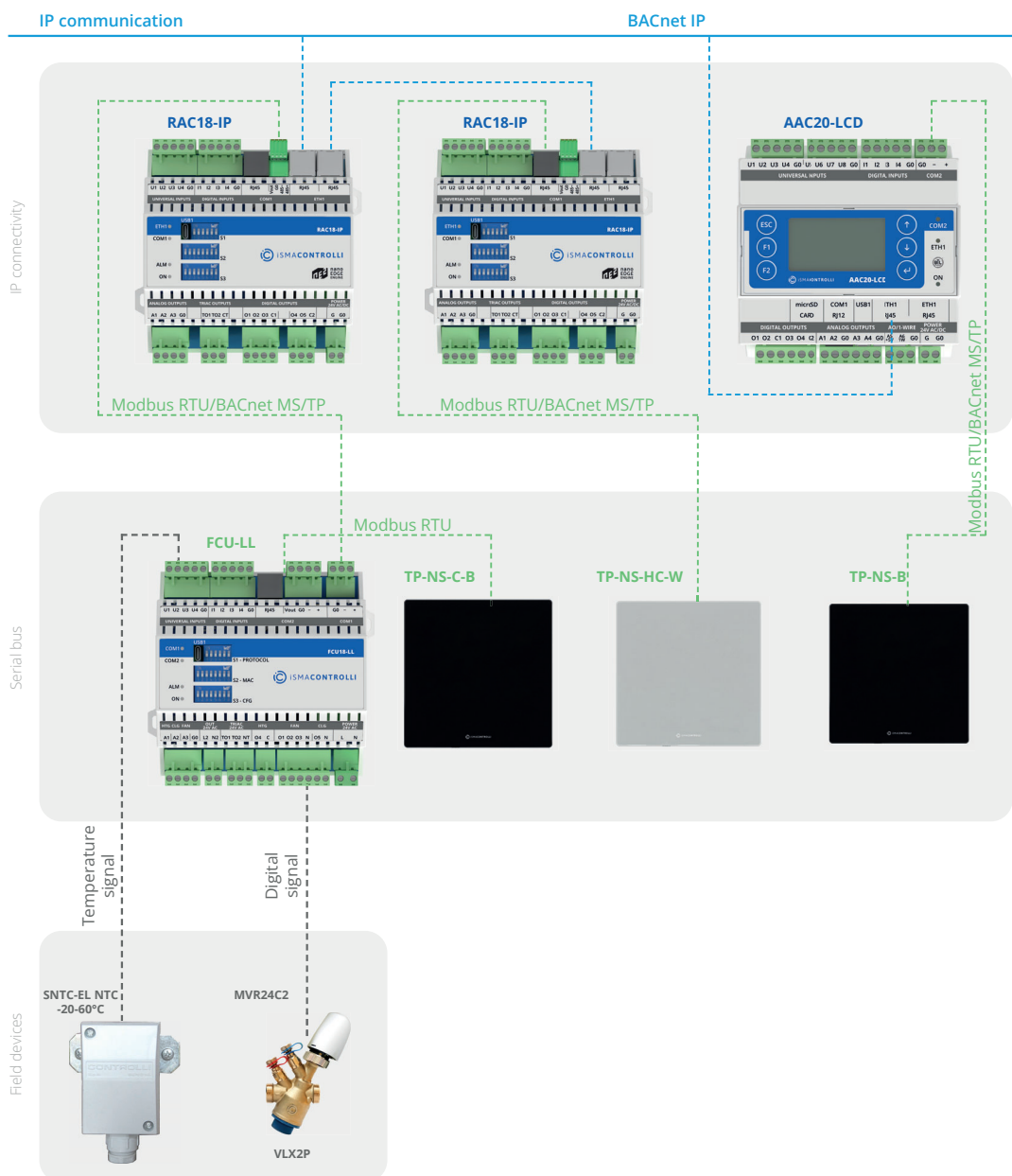
Power Supply



Communication



APPLICATION EXAMPLE





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

DIMENSIONS [mm]

