Control Point VAV

MODEL	SENSORS		
	TEMPERATURE	CO$_2$	HUMIDITY
CP-VAV-DISP-B/W*	●		
CP-VAV-C-DISP-B/W*	●	●	
CP-VAV-H-DISP-B/W*	●		●
CP-VAV-HC-DISP-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., CP-VAV-H-DISP-B or CP-VAV-C-DISP-W.

APPLICATION AND USE

Control Point VAV is a wall panel with a 2.6" LCD display and four buttons for navigation and temperature setpoint. The panel has a built-in temperature sensor and, optionally, humidity and/or CO$_2$ sensors. The Control Point VAV panel is powered with 24 V AC/DC and has a built-in RS485 port (Modbus RTU/ASCII, BACnet MS/TP). The use of open communication protocols allows to connect the panel with any controller supporting Modbus RTU/ASCII or BACnet MS/TP. Together with the Comfort Management zone zontrollers, the panel allows to adjust basic parameters such as a temperature setpoint, fan speed, FCU mode, and others. Thanks to a built-in USB port, there is a possibility to configure the panel without a power supply. The Control Point VAV panel has a modern design and is available in two colors, black and white.

FEATURES

- Modern and smart design
- Intuitive management
- Ease of installation and configuration
- Multiprotocol interface - Modbus RTU/ASCII and BACnet MS/TP
- Ultimate flexibility
- Free software: iC Tool & iSMA Configurator

- 2.6" LCD display with backlight
- Temperature sensor as a standard, humidity and CO$_2$ sensors as an option
- RS485 interface
- DIP switches for configuration
- 7 user-defined menu categories
- Flush wall box 60 mm, US 1-gang electrical outlet box
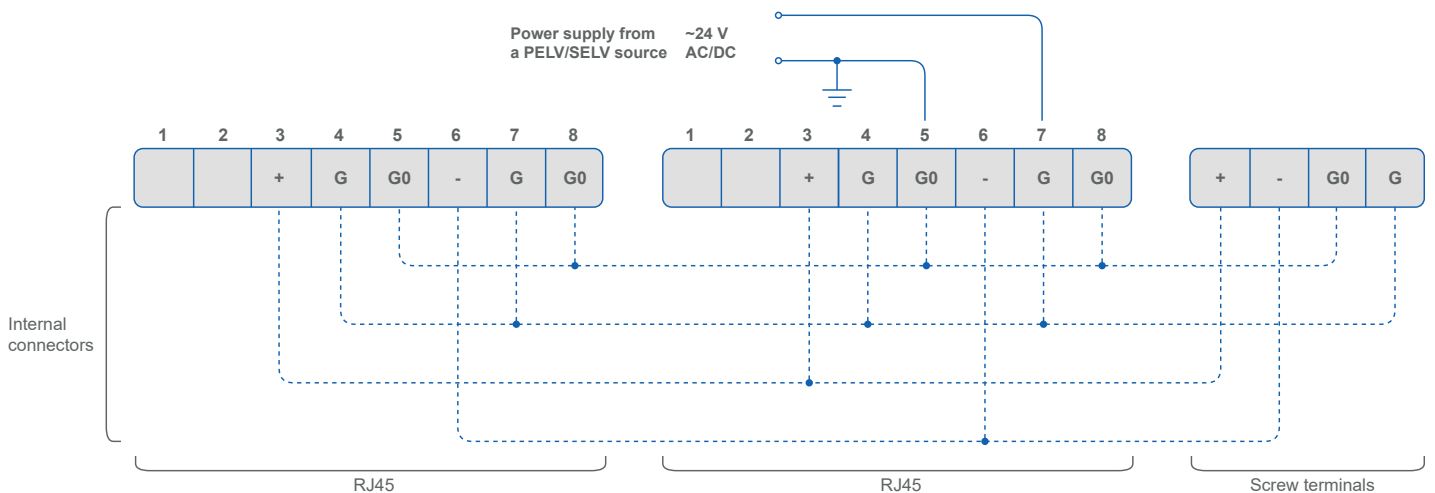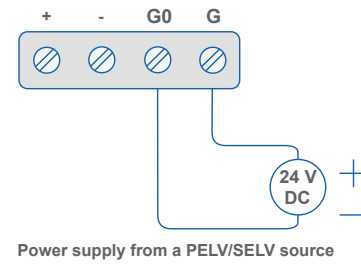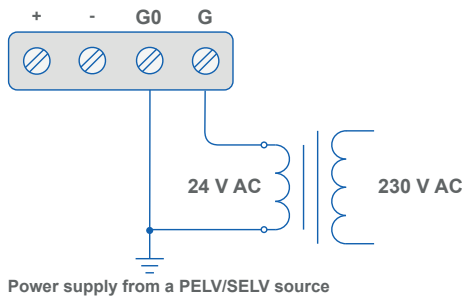
TECHNICAL CHARACTERISTICS

DESCRIPTION		CONTROL POINT VAV
Power supply	Voltage	20-34 V DC
		24 V AC ± 20%
	Power consumption	0.6 W at 24 V DC, 1.8 VA at 24 V AC - panels without CO2 sensor 0.9 W at 24 V DC, 2.5 VA at 24 V AC - panels with CO2 sensor
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: ± 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 RJ45 + screw connector
	Baud rate	2400-115200

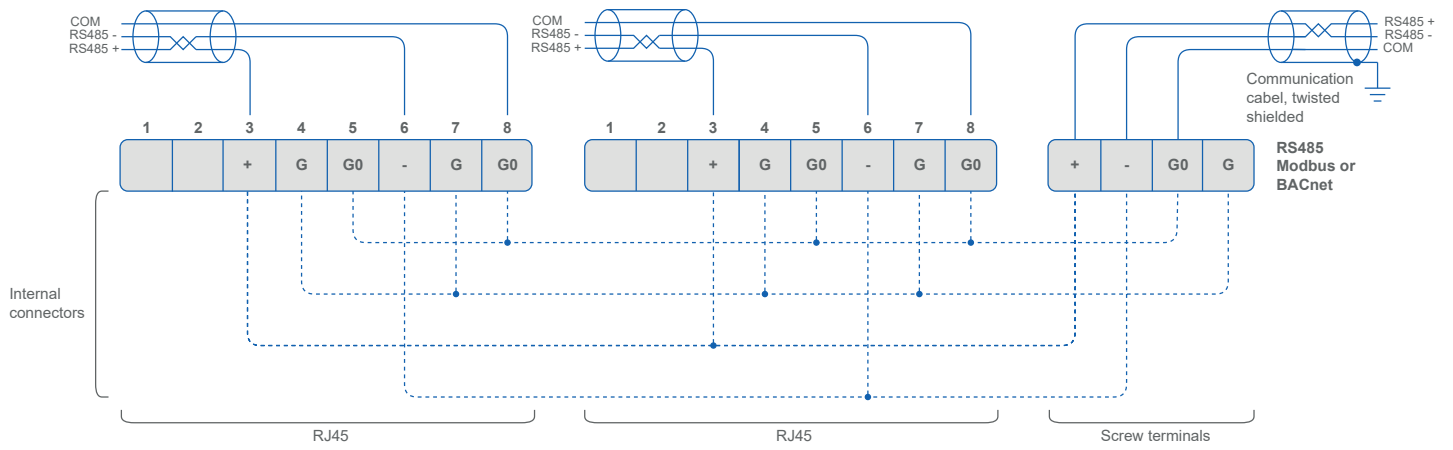The performances stated in this sheet can be modified without any prior notice.

DESCRIPTION		CONTROL POINT VAV
USB1	Type	USB type C
	Power supply	5 V DC
Front panel	Display	LCD 2.6"
	Buttons	4 buttons (up +, down -, menu, confirmation)
Ingress protection	IP rating	IP20 for indoor installation
Temperature	Operating	From 0°C to +50°C (32°F to 122°F)
	Storage	From -40°C to 85°C (-40°F to 185°F)
Humidity	Relative	From 5% to 95% RH (without condensation)
Screw connector	Type	Removable screw terminals
	Maximum cable size	1.5 mm² (26...16 AWG)
Housing	Material	UL94-V0 plastic enclosure, self-extinguishing PC/ABS
	Mounting	Flush wall box 60 mm; US 1-gang electrical outlet box
Dimensions	Width	86.30 mm/3.40 in
	Lenght	129.30 mm/5.10 in
	Height	24.80 mm/0.98 in

WIRING DIAGRAMS

Power Supply

Power supply from a PELV/SELV source

Power supply from a PELV/SELV source

Power supply from a PELV/SELV source   ~24 V AC/DC

Communication

APPLICATION EXAMPLE

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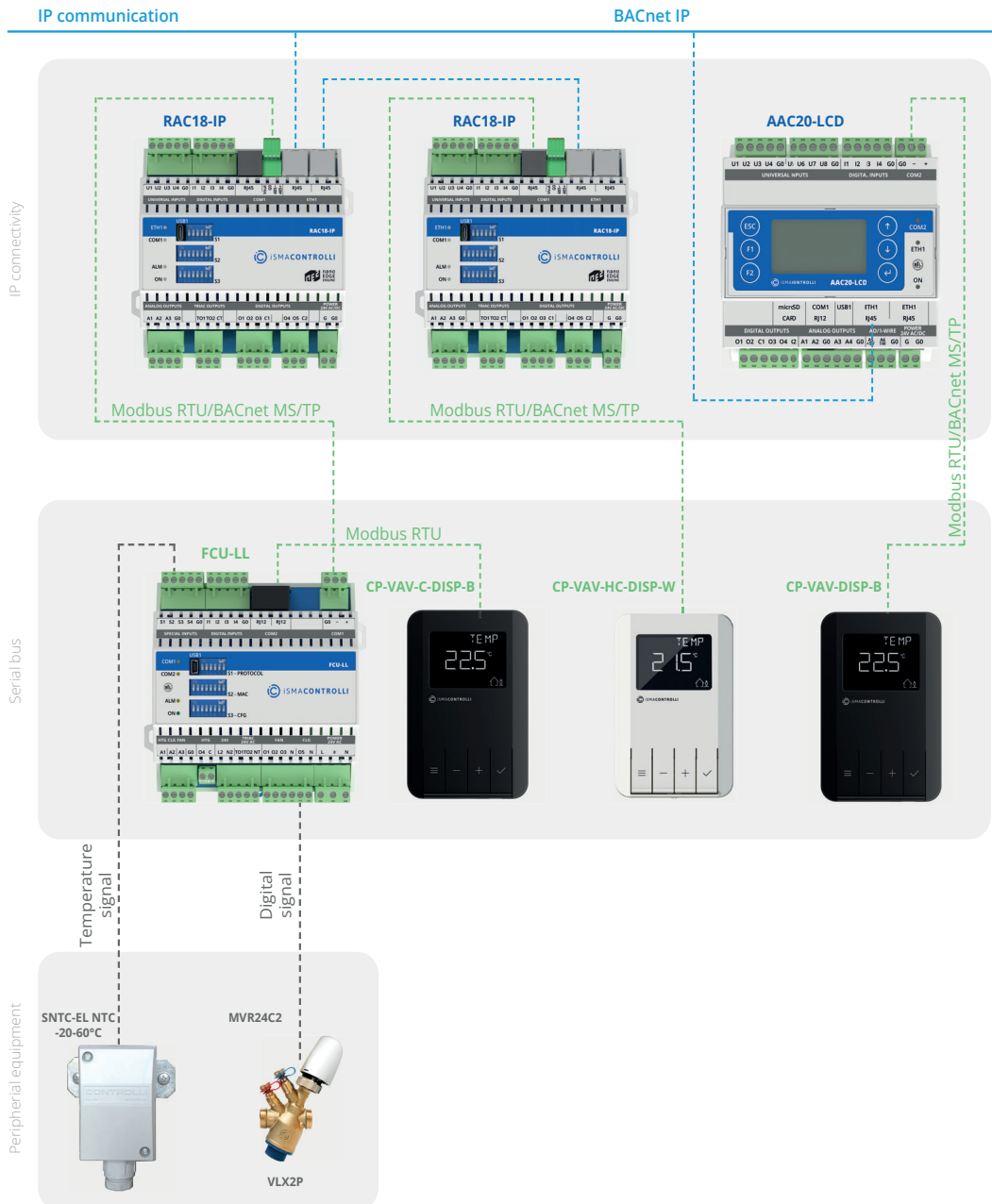
iSMA Configurator - configuration tool for non-programmable iSMA CONTROLLI devices

DIMENSIONS [mm, in]

129,3 mm
5.1"

86,3 mm
3.4"

24,8 mm
0.98"

iSMACONTROLLI

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