Product data sheet

Specifications

Controller, SpaceLogic RP-C, 16 points, 8 universal I/O, 4 solid-state relay, 3 form A relay, 1 form C high power relay

SXWRCF16A10002

⚠ Discontinued on: Sep 14, 2022

⚠ **Discontinued**

Main

Range	EcoStruxure Building Operation
Product Name	SmartX Room Purpose Controller
Device Short Name	RP-C-16A-F-230V
Product Brand	Schneider Electric
Product Or Component Type	Programmable controllers
Device Application	HVAC Low voltage fan coil Chilled beam
[Us] Rated Supply Voltage	207...253 V AC
Digital Output	4 solid state 3 relay control circuit 1 relay voltage circuit
Discrete Output Voltage	0...10 V for output circuit 250 V AC for control relay 30 V DC for control relay 250 V AC for voltage relay 24 V DC for voltage relay 24 V AC for solid state output <= 30 V DC for solid state output
Discrete Output Current	2 mA for load 2 A for solid state output (DO1...DO4) 4 A for control relay (DO5...DO7) 12 A for voltage relay (DO8)

Complementary

Network Frequency	50 Hz 60 Hz
Maximum Power Consumption In Va	65 VA
Discrete Input Voltage	0...10 V
Discrete Input Voltage Type	DC
Product Compatibility	Xenta I/NET Continuum Balco Satchwell Honeywell Johnson Control Invensys (FD) Linx Technologies antenna SmartX living space sensor

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Analogue Input Type	Configurable voltage, current or probe 0...2 mA
	Configurable voltage, current or probe 0...10 V input voltage
	Configurable voltage, current or probe 20 kOhm connection of probes
	Configurable voltage, current or probe 10 kOhm connection of probes
	Configurable voltage, current or probe 2.2 kOhm connection of probes
	Configurable voltage, current or probe 1.8 kOhm connection of probes
	Configurable voltage, current or probe 1 kOhm connection of probes
Universal Input/Outputs Number	8
Temperature Probe Type	LG-Ni 1000 - 50...150 °C
	Ni 1000 - 50...150 °C
	Pt 1000 - 50...150 °C
Discrete Input Current	2.4 mA
Input Impedance	100 kOhm for voltage circuit
	47 Ohm for current circuit
Maximum Current Per Output Common	4 A at COM 1 + COM 2
Absolute Accuracy Error	+/- 7 mV plus + 0.2 % of reading for voltage
	+/- 0.01 mA plus + 0.4 % of reading for current
	+/- 0.5 °C for - 50...70 °C
Switching Frequency	25 Hz
Mechanical Durability	100000 cycles for control relay
	100000 cycles for voltage relay
Protection Type	Internal fuse
	Built-in by varistor
Processor Name	ARM Cortex-A7
Memory Description	Internal 6 MB
	Flash 32 MB
	Internal data storage (FRAM) 128 kB
Backup Time	7 days
Realtime Clock	With
Clock Drift	1 min/month at 25 °C
Function Available	PWM
Integrated Connection Type	Port with USB 2.0 type B connector and mini USB interface
	Port with USB host port type A connector
	RS485 sensor with bus connector
	RS485 room picto with bus connector
Communication Port Protocol	BACnet IP
	Bluetooth 5.0 LE - SMA
Port Ethernet	10/100BASE-TX 2 port
Communication Service	RSTP (Ring topology support)
	Programming
Topology	Daisy chain
	Star
	Ring
Local Signalling	1 LED (green) for status
Display Type	Without display
Electrical Connection	screw terminals, 12 terminal(s) for inputs and outputs
	screw terminals, 10 terminal(s) output
	screw terminals, 3 terminal(s) power supply
	screw terminals, 3 terminal(s) form C relays
	SMA antenna with cable, 1 terminal(s)
Cable Length	3 m for USB port
Insulation	Between output and ground at 3000 V AC
	Between power output and ground at 5000 V AC
Material	ABS/PC

Mounting Support	DIN rail wall-mount
Height	110 mm
Depth	64 mm
Width	180 mm
Net Weight	472 g

Environment

Standards	EN 60730-1 EN 60730-2-11 EN 50491-3
Product Certifications	BTL CULus CE RCM Eu.BAC
Electromagnetic Compatibility	Electromagnetic emission conforming to EN 61000-6-3 Electromagnetic emission conforming to EN 50491-5-2 Immunity to electromagnetic emissions conforming to EN 61000-6-2 Immunity to electromagnetic emissions conforming to EN 50491-5-3 Radiated emission conforming to EN 300-328
Ambient Air Temperature For Operation	0…50 °C
Ambient Air Temperature For Storage	-20…70 °C
Relative Humidity	0…95 %, non-condensing
Ip Degree Of Protection	IP20
Pollution Degree	2
Flame Retardance	UL94-5V

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	18.3 cm
Package 1 Width	6.9 cm
Package 1 Length	12.5 cm
Package 1 Weight	800 g

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium ⟩

Guide to assess a product's sustainability ⟩

Transparency   RoHS/REACh

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

✓ Halogen Free Plastic Parts Product

Certifications & Standards

Eu Rohs Directive

Compliant

EU RoHS Declaration

China Rohs Regulation

China RoHS declaration

Environmental Disclosure

Product Environmental Profile

Weee

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile

End of Life Information

California Proposition 65

WARNING: This product can expose you to chemicals including: Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov