

Product data sheet

Specifications



SpaceLogic room controller, 12 points, 8 universal inputs/outputs type Ub, 4 solid state relay outputs

SXWRCF12A10001

Main

Range	EcoStruxure Building Operation
Product name	SmartX Room Purpose Controller
Device short name	RP-C-12A-F-24V
Product brand	Schneider Electric
Product or component type	Programmable controllers
Device application	HVAC Low voltage fan coil Chilled beam Low voltage rooftop
[Us] rated supply voltage	20.4...27.6 V AC 23...33 V DC
Digital output	4 solid state
Discrete output voltage	0...10 V for output circuit 24 V AC for solid state output <= 30 V DC for solid state output
Discrete output current	2 mA for load output 2 A for solid state output (DO1...DO4)

Complementary

Network frequency	50 Hz 60 Hz
Maximum power consumption in W	14 W
Maximum power consumption in VA	23 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

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
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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
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, 4 terminal(s) output screw terminals, 3 terminal(s) power supply SMA antenna with cable, 1 terminal(s)
Cable length	3 m for USB port
Material	ABS/PC
Mounting support	DIN rail wall-mount
Height	110 mm
Depth	64 mm
Width	180 mm
Net weight	370 g

Environment

Standards	FCC CFR 47 part 15 UL 916 EN 60730-1 EN 60730-2-11
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Product certifications	BTL FCC part 15 class C CULus CE RCM
Electromagnetic compatibility	Electromagnetic emission conforming to EN 61000-6-3 Electromagnetic emission conforming to EN 50491-5-2 Electromagnetic emission class B conforming to FCC part 15 subpart C Electromagnetic emission class B conforming to FCC part 15 subpart A 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 -40...60 °C (outside)
Ambient air temperature for storage	-20...70 °C
Relative humidity	0...95 %, non-condensing
IP degree of protection	IP20
Flame retardance	UL94-5V

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	420 g
Package 1 Height	18.3 cm
Package 1 width	6.9 cm
Package 1 Length	12.5 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes
Halogen content performance	Halogen free plastic parts product
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 - www.P65Warnings.ca.gov