

# SpaceLogic™ RP-C-16C-F-230V

## Controller

Part number: SXWRCF16C10001

### Safety Information

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material. Carefully read these instructions and all information relevant for this product before trying to install it. See the list of technical literature.

### Technical Literature

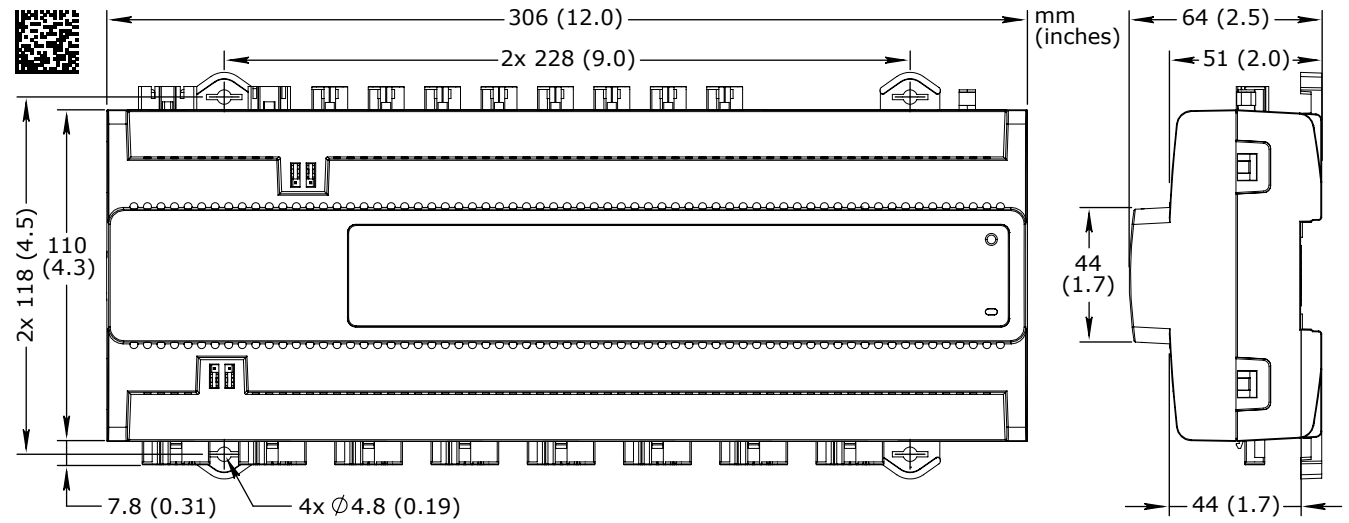
- SpaceLogic and EasyLogic - Hardware Reference Guide, 04-XX001-XX-en

The technical literature and declarations of conformity can be accessed on the Schneider Electric extranet, [ecoxpert.se.com](http://ecoxpert.se.com). Contact your local Schneider Electric sales office for a hard copy of the documentation or for additional information.

### Recommended Installation Location

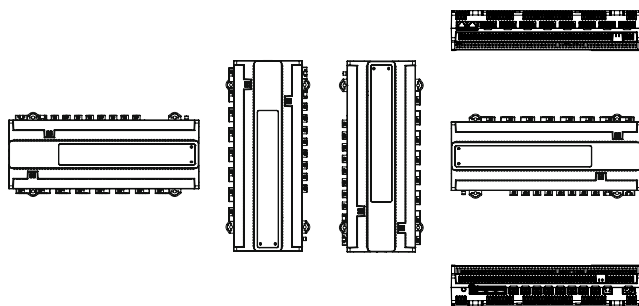
The controller is intended for fan coil, ceiling systems, and other applications. The controller is typically installed next to or inside the fan coil equipment.

### Dimensions



### Installation Orientations

Normal operation, 0 to 50 °C (32 to 122 °F):



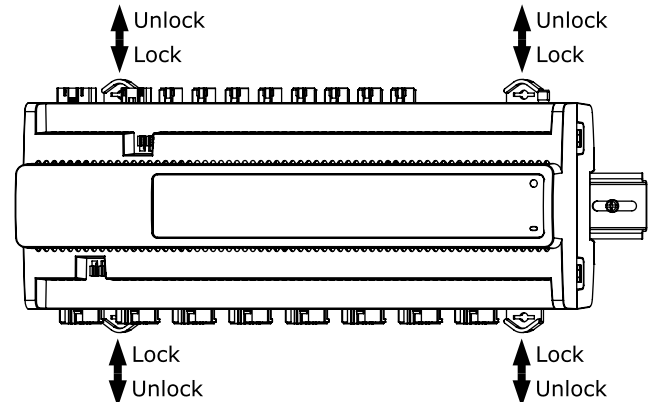
### Installing the Device on a DIN Rail

#### NOTICE

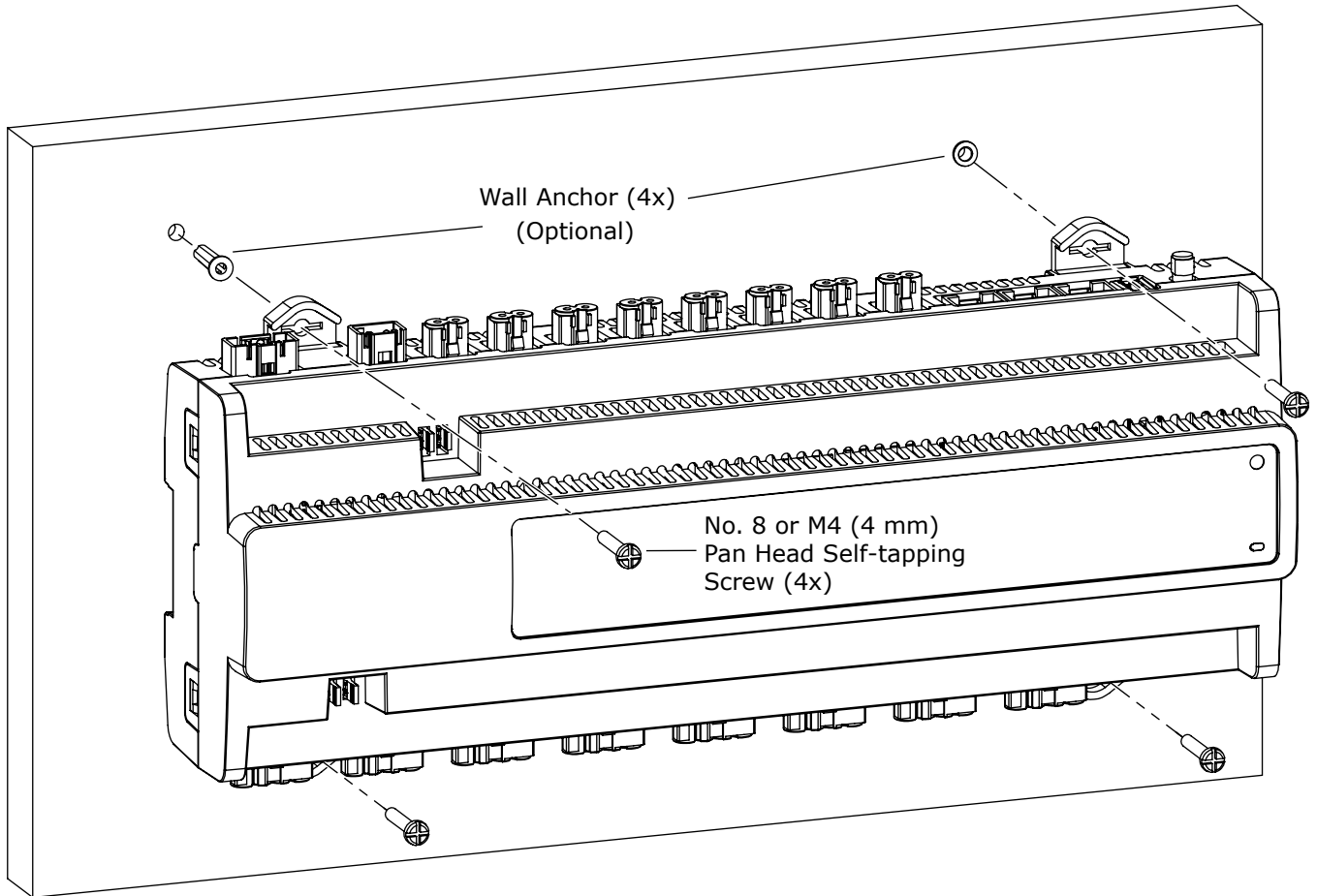
##### CONTROLLER DAMAGE

Use the DIN rail end clip when you install the controller on a vertical DIN rail.

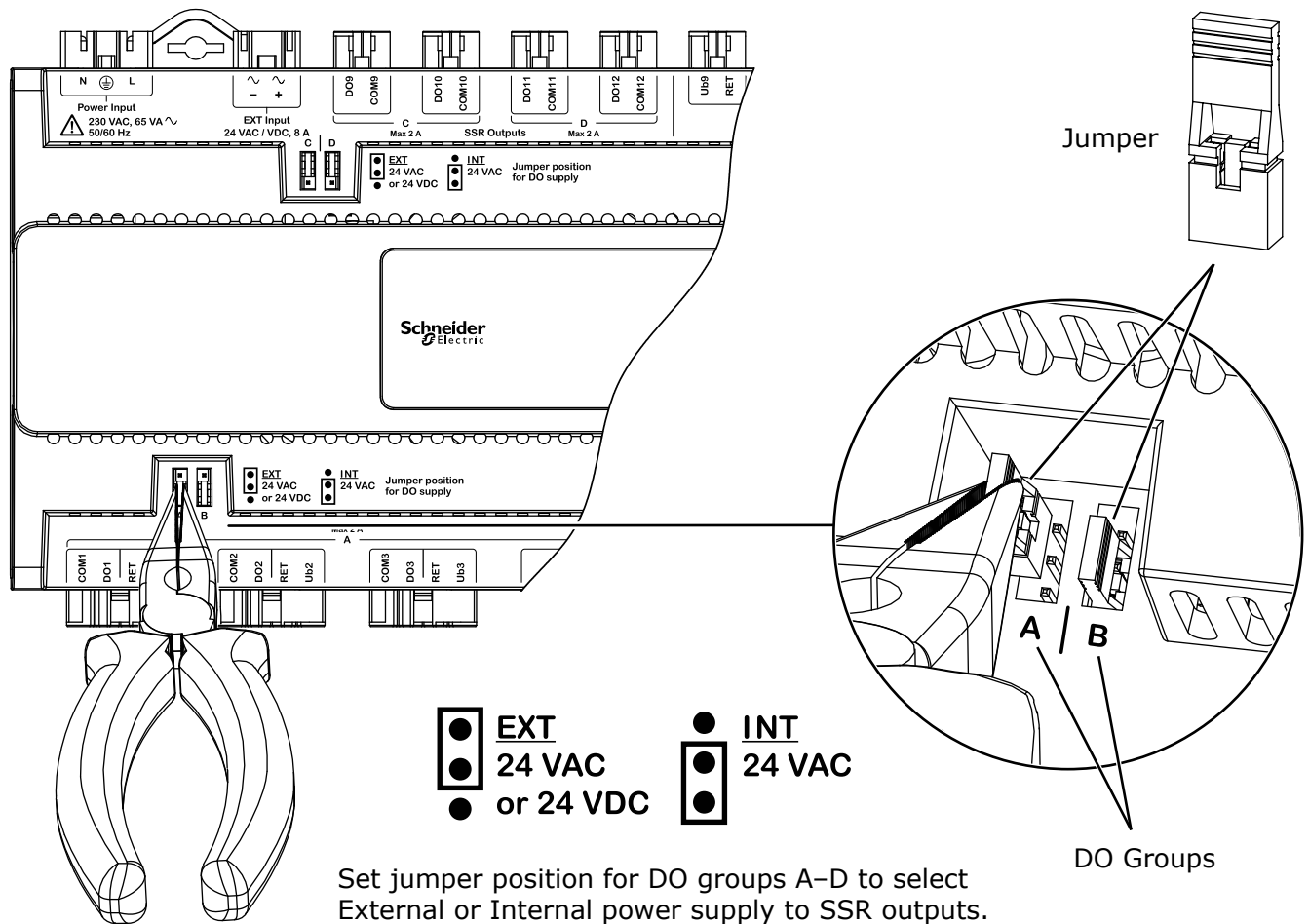
Failure to follow these instructions can result in equipment damage.



## Installing the Device on a Flat Surface



## Selecting 24 VAC/VDC External or Internal Power Supply to SSR Outputs



## Connections

### **⚡ ⚠ DANGER**

#### HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Disconnect all line voltage connected to the controller before working on the device.
- More than one disconnect switch may be required to de-energize this equipment before servicing.

Failure to follow these instructions will result in death or serious injury.

### NOTICE

#### CONTROLLER DAMAGE

Before powering up the controller, ensure that the input power voltage level meets the specifications of the controller.

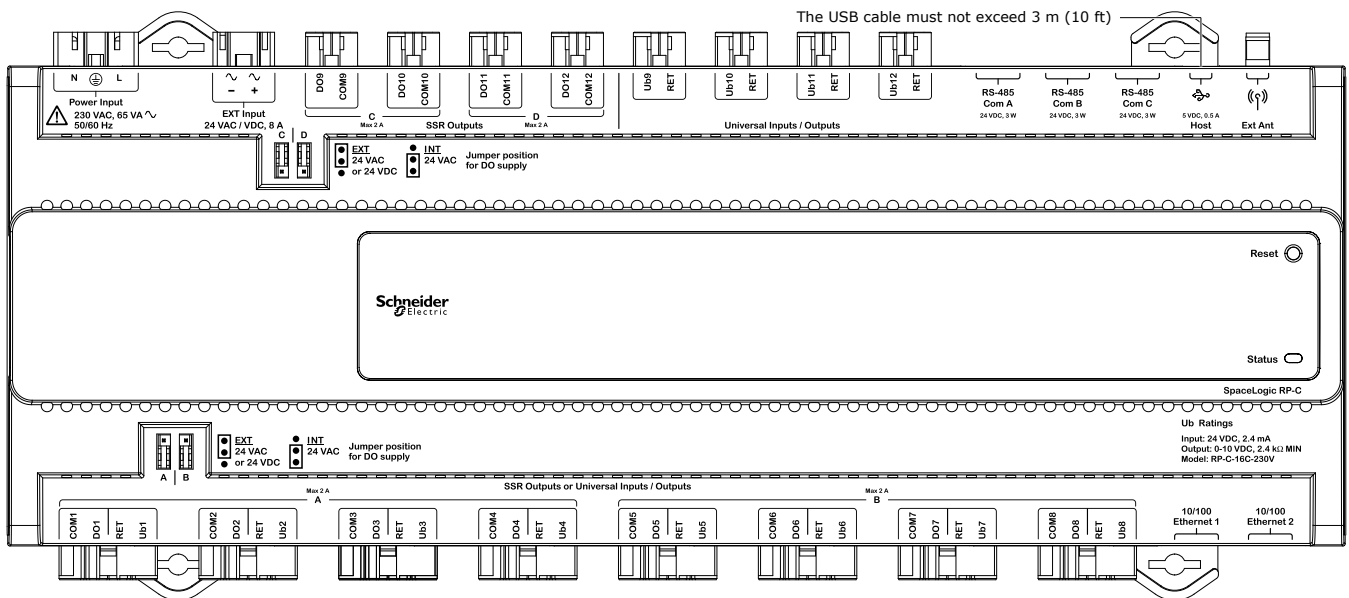
Failure to follow these instructions can result in equipment damage.

### NOTICE

#### CONNECTOR OR CABLE ASSEMBLY DAMAGE

Anchor the excess cabling to alleviate all stresses on connectors and cable assemblies.

Failure to follow these instructions can result in equipment damage.



## Wiring

For information on wiring, including connection diagrams, rating of and location of fuses (circuit breakers), and cable specifications, see the SpaceLogic and EasyLogic - Hardware Reference Guide.

## Part Numbers

Product	Part number
RP-C-16C-F-230V	SXWRCF16C10001
DIN-rail end clip, 25 pieces	SXWDINEND10001
Mounting plate - RP-C Pro Plus, 5 pieces	SXWRCMPK510001
RS-485 power adapter	SXWNISORS485P10001

## Required External Connectors

Use	Part number	Reference	Connector type	Suitable for cable diameters mm (inches)	Tightening torque, screws Nm (lbf.in)	Marking	Color of coding /housing	Minimum order quantity
Power supply input	SXWRPCCON WWPOW	91.931.4053.1	Female, 3-pole	5.6–11 (0.22–0.43)	0.3–0.5 (2.7–4.4)	L, PE, N	Black /Black	100
External input, 24 VAC / VDC	SXWRPCCON POWIP	91.921.3053.0	Female, 2-pole	6–7.7 (0.24–0.30)	0.3–0.5 (2.7–4.4)	L, N	White /White	100

## Required External Connectors, continued

Use	Part number	Reference	Connector type	Suitable for cable diameters mm (inches)	Tightening torque, screws Nm (lbf.in)	Marking	Color of coding /housing	Minimum order quantity
SSR outputs (DO), 24 VAC / DCOP VDC	SXWRPCCON	91.922.3053.0	Male, 2-pole	6–7.7 (0.24–0.30)	0.3–0.5 (2.7–4.4)	L, N	White /White	100
Universal I/O (Ub)	SXWRPCCON WWLIGHT2	91.922.3353.0	Male, 2-pole	6–7.7 (0.24–0.30)	0.3–0.5 (2.7–4.4)	2, 1	Light blue /White	100
Configurable SSR outputs (DO) or Universal I/O (Ub)	SXWRPCCON UIO	91.942.4650.0	Male, 4-pole	6.5–12 (0.26–0.47)	0.3–0.5 (2.7–4.4)	1, 2, 3, 4/N	Turquoise blue /White	100

The external connectors need to be ordered separately. The connectors can be ordered in quantities of 100 from Schneider Electric using the above part numbers. The connectors can also be ordered directly from Wieland using the above reference numbers. For more information, see the Wieland Electric web site.

## Specifications

<p>AC input</p> <p><b>Nominal voltage</b> 230 VAC <math>\sim</math> 50/60 Hz</p> <p><b>Maximum power consumption</b> 65 VA</p> <p><b>Power consumption without load</b> 5 VA</p> <p><b>Overvoltage category</b> III</p> <p><b>Pollution degree</b> 2</p> <p>24 VAC/VDC input (EXT Input) for external power supply to SSR outputs</p> <p><b>Nominal voltage</b> 24 VAC <math>\sim</math> / 24 VDC <math>\text{---}</math></p> <p><b>Maximum current consumption</b> 8 A</p> <p>Port types</p> <p><b>USB host port</b> Type-A, 5 VDC, 0.5 A</p> <p><b>Ethernet port 1 and 2</b> 10/100BASE-TX RJ45</p> <p><b>RS-485 port Com A, B, and C</b> 24 VDC, 3 W, RS-485 (RJ45)</p>	<p>Wireless connectivity</p> <p><b>Bluetooth® Low Energy (Bluetooth® 5)</b> 2.402 to 2.480 GHz, max. 10 dBm output power, 100 m (328 ft) line-of-sight range</p> <p><b>Antenna</b> Integrated antenna</p> <p><b>Approved external antenna (optional)</b> Manufacturer: Linx Technologies, Model: ANT-2.4-WRT-MON-SMA, Gain: 0.8 dBi, Type: Monopole, Impedance: 50 ohm, Connector: SMA</p> <p>Operation environment</p> <p><b>Ambient temperature, operating</b> 0 to 50 °C (32 to 122 °F)</p> <p><b>Humidity</b> Maximum 95 % RH non-condensing</p> <p>Mechanical</p> <p><b>Ingress protection rating</b> IP 20</p> <p><b>Plastic flame rating</b> UL94 V-0</p>	<p>IP networking</p> <p><b>IP address assignment methods</b> Static, DHCP (default), Auto-IP (address range 169.254.0.1 to 169.254.255.254, subnet mask 255.255.0.0)</p> <p>Ub – Universal I/O</p> <p><b>Input rating</b> 24 VDC <math>\text{---}</math>, 2.4 mA</p> <p><b>Voltage output rating</b> 0 to 10 VDC <math>\text{---}</math>, 2.4 kohm (min.)</p> <p><b>Channels</b> 4, Ub9 to Ub12</p> <p><b>Channels, configurable DO or Ub</b> 8, Ub1 to Ub8</p> <p>DO – SSR outputs</p> <p><b>Output rating</b> 24 VAC <math>\sim</math> / 24 VDC <math>\text{---}</math> Max. 2 A load per DO group A, B, C and D Max. 8 A total load for 12 SSR outputs</p> <p><b>Channels</b> 4, DO9 to DO12</p> <p><b>Channels, configurable DO or Ub</b> 8, DO1 to DO8</p>
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部件名称 (Part Name)	有害物质 (Hazardous Substances)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑料部件 (Plastic Parts)	○	○	○	○	○	○
电子件 (Electronics)	X	○	○	○	○	○

本表格依据 SJ/T11364 的规定编制。(This table is made according to SJ/T 11364.)

○: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

(Indicates that the concentration of hazardous substance in all of the homogeneous materials for this part is below the limit as stipulated in GB/T 26572.)

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

(Indicates that the concentration of hazardous substance in at least one of the homogeneous materials used for this part is above the limit as stipulated in GB/T 26572.)

