

# SpaceLogic™ RP-C-EXT-BL-2-LV-PD and RP-C-EXT-BL-4-HV-PD Expansion Module Models

## Regulatory Compliance and 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.

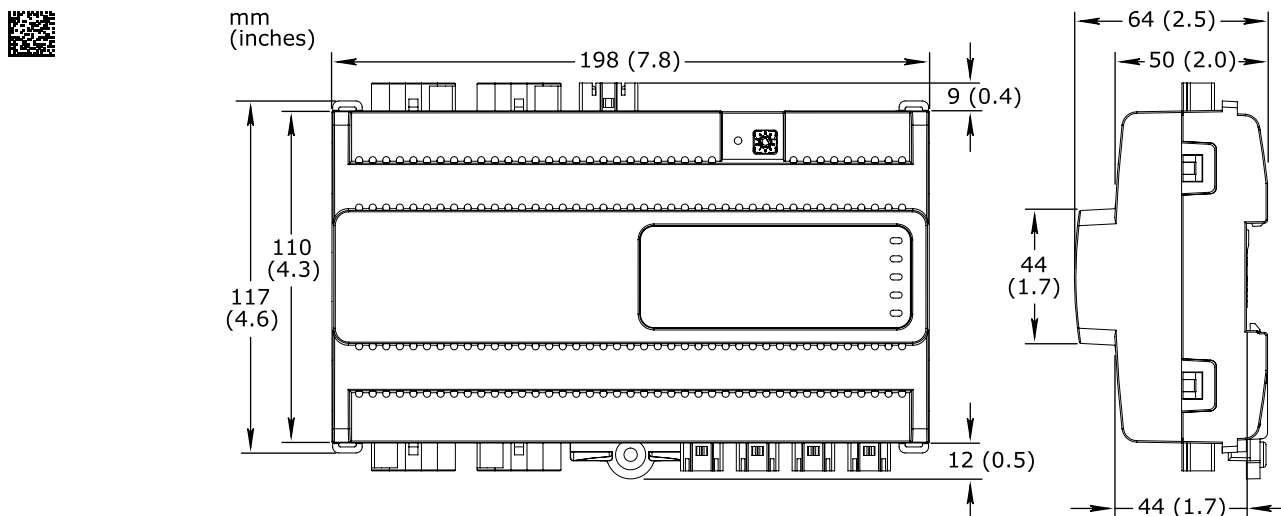
Carefully read these instructions and all information relevant for this product before trying to install it. See the list of technical literature.

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

## Technical Literature

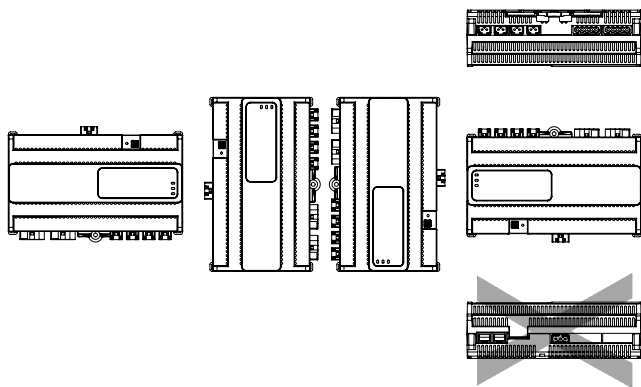
- SpaceLogic Hardware Reference Guide, 04-XX001-XX-en

## Dimensions

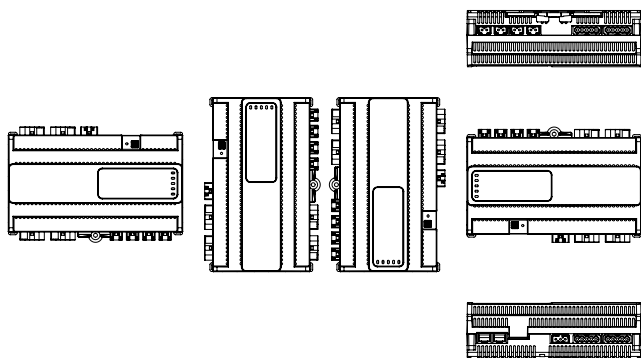


## Installation Orientation Restrictions

RP-C-EXT-BL-2-LV-PD at 0 to 40 °C (32 to 104 °F):



RP-C-EXT-BL-4-HV-PD at 0 to 50 °C (32 to 122 °F):



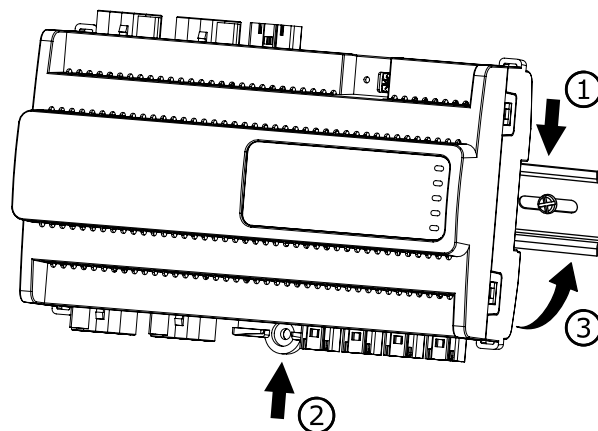
## Installing the Device on a DIN Rail

### NOTICE

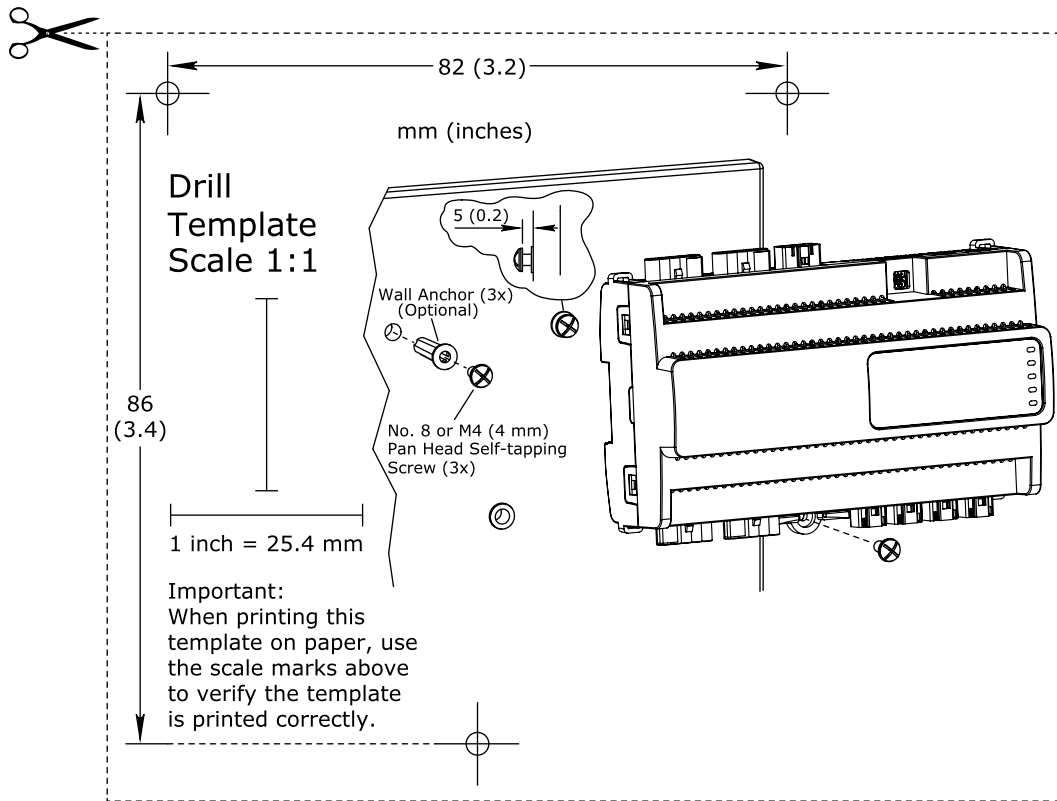
#### EXPANSION MODULE DAMAGE

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

Failure to follow these instructions can result in equipment damage.



## Installing the Device on a Flat Surface



## Connections

### **⚠️⚠️ DANGER**

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

Turn off all power connected to this equipment before working on the equipment.

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

### **NOTICE**

#### **EXPANSION MODULE DAMAGE**

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

**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.**

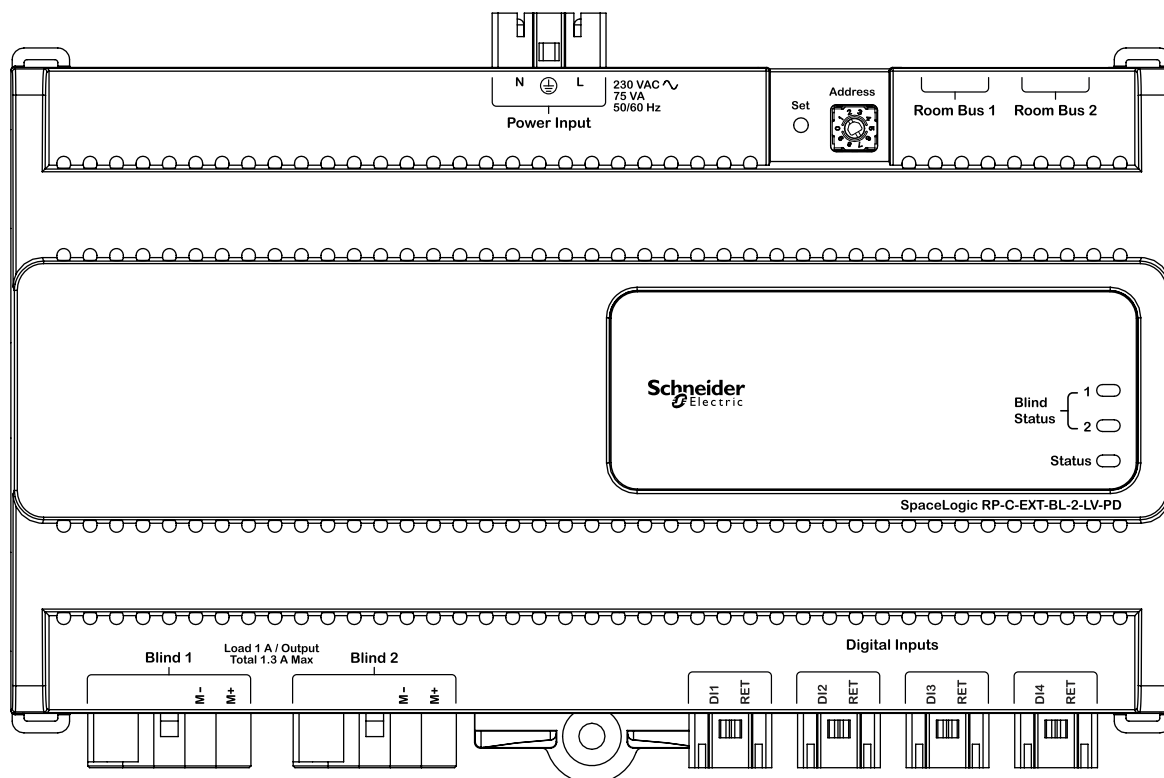
### **NOTICE**

#### **BLINDS/AWNINGS DAMAGE**

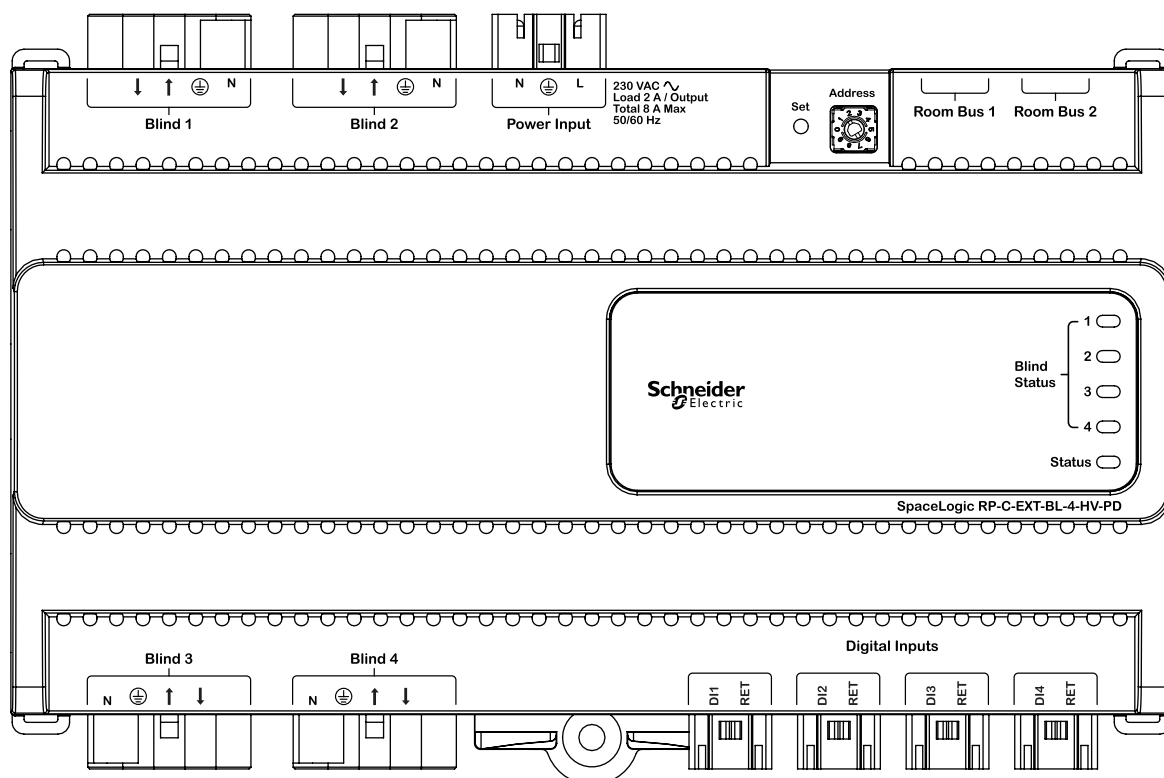
Before turning on or connecting the AC mains power (230 VAC) to the high-voltage blind module, ensure that the module is powered up by the RP-C room bus (24 VDC).

**Failure to follow these instructions can result in equipment damage.**

## Connections, continued



RP-C-EXT-BL-2-LV-PD



RP-C-EXT-BL-4-HV-PD

## Wiring

For information on wiring, see the SpaceLogic Hardware Reference Guide.

## Part Numbers

Product	Part number
RP-C-EXT-BL-2-LV-PD	SXWREB2LVDP10001
RP-C-EXT-BL-4-HV-PD	SXWREB4HVDP10001

## Part Numbers, continued

Product	Part number
DIN-rail end clip, 25 pieces	SXWDINEND10001

## Required External Connectors

Use	Part number	Reference	Connector type	Suitable for cable diameters mm (inches)	Marking	Color of coding /housing	Minimum order quantity
Power supply input	SXWRPCCONW WPOW	91.931.4053.1	Female	5.6–11 (0.22–0.43)	L, PE, N	Black /Black	100
Blind outputs (RP-C-EXT-BL-2-LLV LV-PD)	SXWRPCCONW BLLV	91.952.4353.0	Male	8.5–12.5 (0.34–0.49)	5, 4, 3, 2, 1 5, 4, 3: Not used 2: M- 1: M+	Light blue /White	50
Blind outputs (RP-C-EXT-BL-4-BLHV HV-PD)	SXWRPCCONW BLHV	91.942.4053.1	Male	8.5–12.5 (0.34–0.49)	N, PE, 1, 2 1: ↑ (UP) 2: ↓ (DOWN)	Black /Black	50
Digital inputs	SXWRPCCONW DI	91.921.2353.0	Female	3.4–5.5 (0.14–0.21)	1, 2 1: DI1..4 2: RET	Light blue /White	100

The external connectors need to be ordered separately. The connectors can be ordered in quantities of 50 or 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

<b>AC input</b> <b>Nominal voltage</b> 230 VAC ~ 50/60 Hz <b>Power consumption</b> 75 VA (RP-C-EXT-BL-2-LV-PD) <b>Maximum current consumption</b> 8 A (RP-C-EXT-BL-4-HV-PD) <b>Overvoltage category</b> III	<b>Humidity</b> 20 to 90 % RH non-condensing <b>Pollution degree</b> 2 Operation environment, RP-C-EXT-BL-4-HV-PD <b>Ambient temperature, operating</b> 0 to 50 °C (32 to 122 °F) <b>Humidity</b> 20 to 90 % RH non-condensing <b>Pollution degree</b> 2	<b>Power distribution</b> 24 VDC — Maximum 1 A load per output Maximum 1.3 A total load for the 2 outputs Maximum 2 A starting current (<100 ms) per output Blind outputs, RP-C-EXT-BL-4-HV-PD <b>Outputs</b> 4, Blind 1 to Blind 4 ↑ : Blind UP ↓ : Blind DOWN <b>Power distribution</b> 230 VAC (same voltage as power supply) Maximum 2 A load per output Maximum 8 A total load for the 4 outputs DI – Digital inputs <b>Input rating</b> 5 VDC —, 2.2 mA, SELV <b>Inputs</b> 4
<b>DC input</b> <b>Room bus power consumption</b> 0.3 W (24 VDC)	<b>Mechanical</b> <b>Ingress protection rating</b> IP 20 <b>Plastic flame rating</b> UL94 V-0	
<b>Port types</b> <b>Room bus</b> RS-485 Dual RJ45 ports for daisy-chain configurations	<b>Blind outputs, RP-C-EXT-BL-2-LV-PD</b> <b>Outputs</b> 2, Blind 1 to Blind 2 M+ M-	
Operation environment, RP-C-EXT-BL-2-LV-PD <b>Ambient temperature, operating</b> 0 to 40 °C (32 to 104 °F) See section Installation Orientation Restrictions.		

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.)

