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

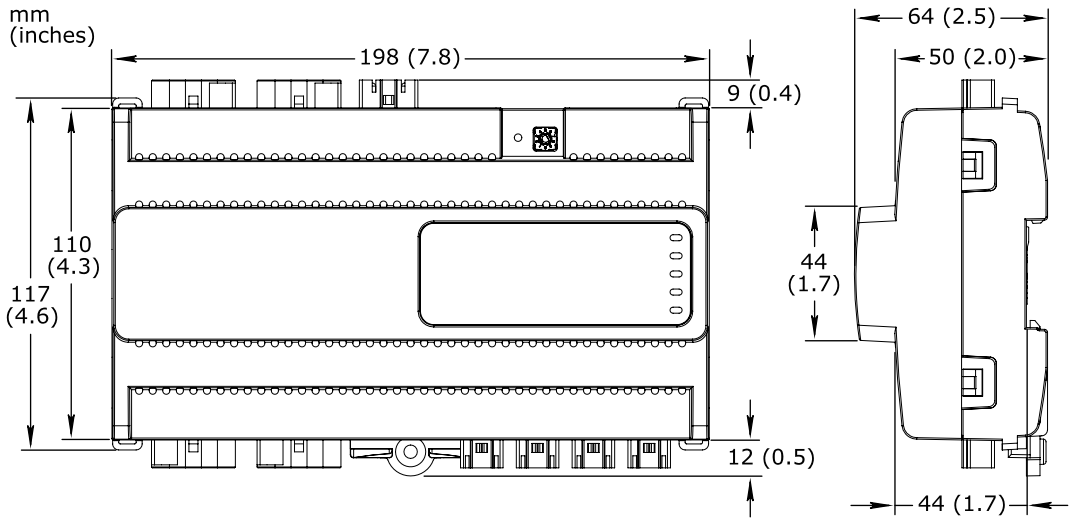
Regulatory Compliance and Safety Information

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. Contact your local Schneider Electric sales office for a hard copy of the documentation or for additional information.

Technical Literature

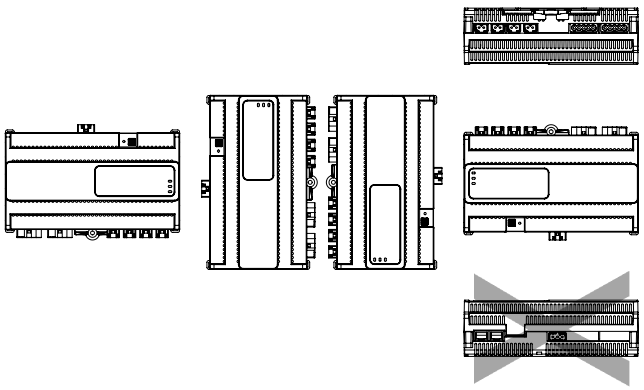
- SpaceLogic Hardware Reference Guide, 04-XX001-XX-en

Dimensions

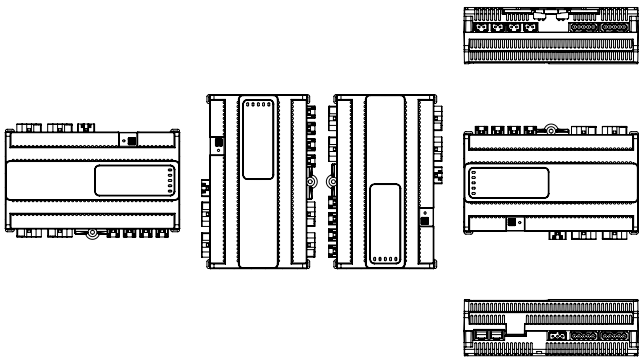


Installation Orientation Restrictions

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



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



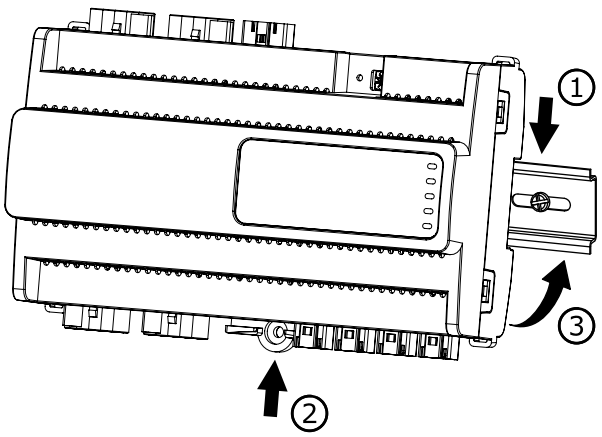
Installing the Device on a DIN Rail

NOTICE

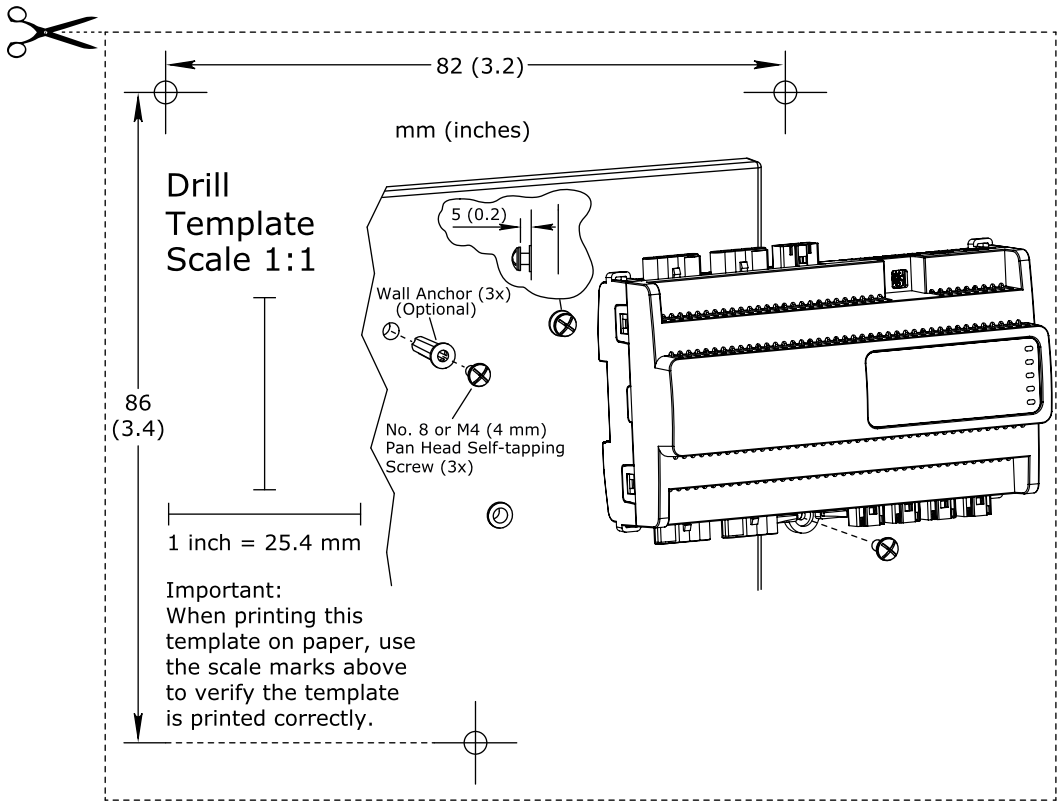
EXPANSION MODULE DAMAGE

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.

⚠⚠DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Never connect an SMI LoVo motor to the RP-C-EXT-BL-SMI-4-HV-PD SMI blind module.

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.

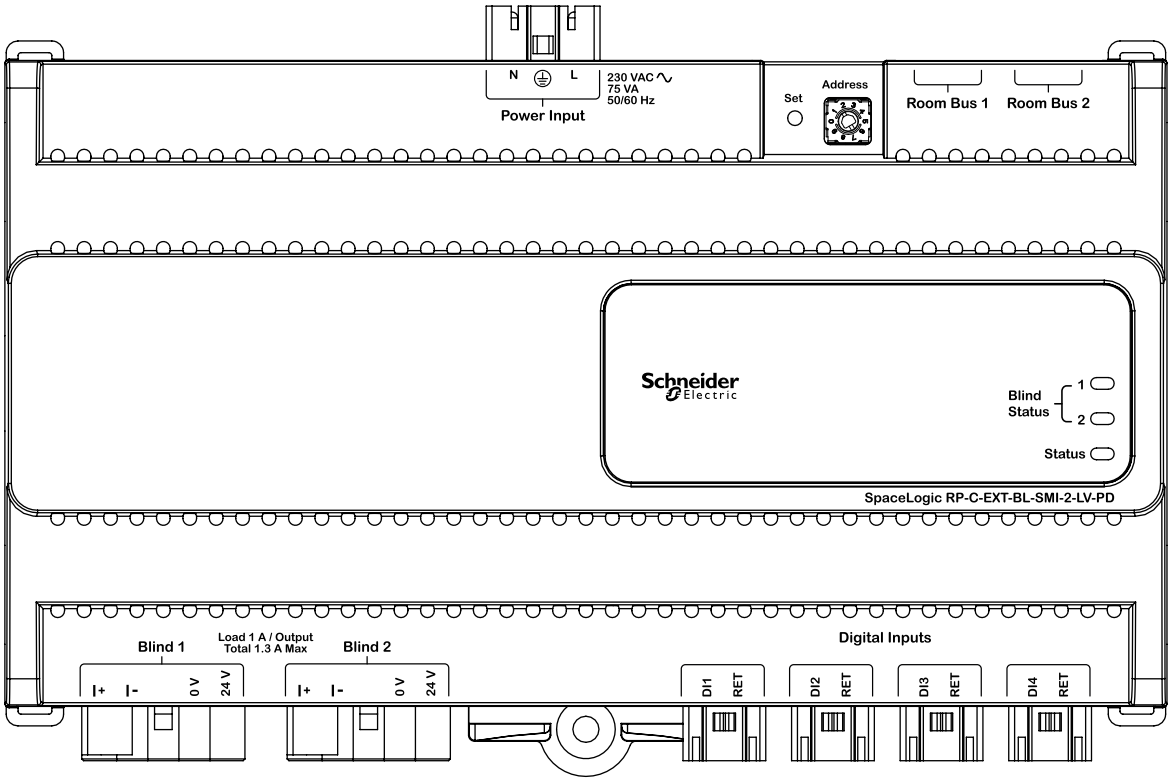
NOTICE

CONNECTOR OR CABLE ASSEMBLY DAMAGE

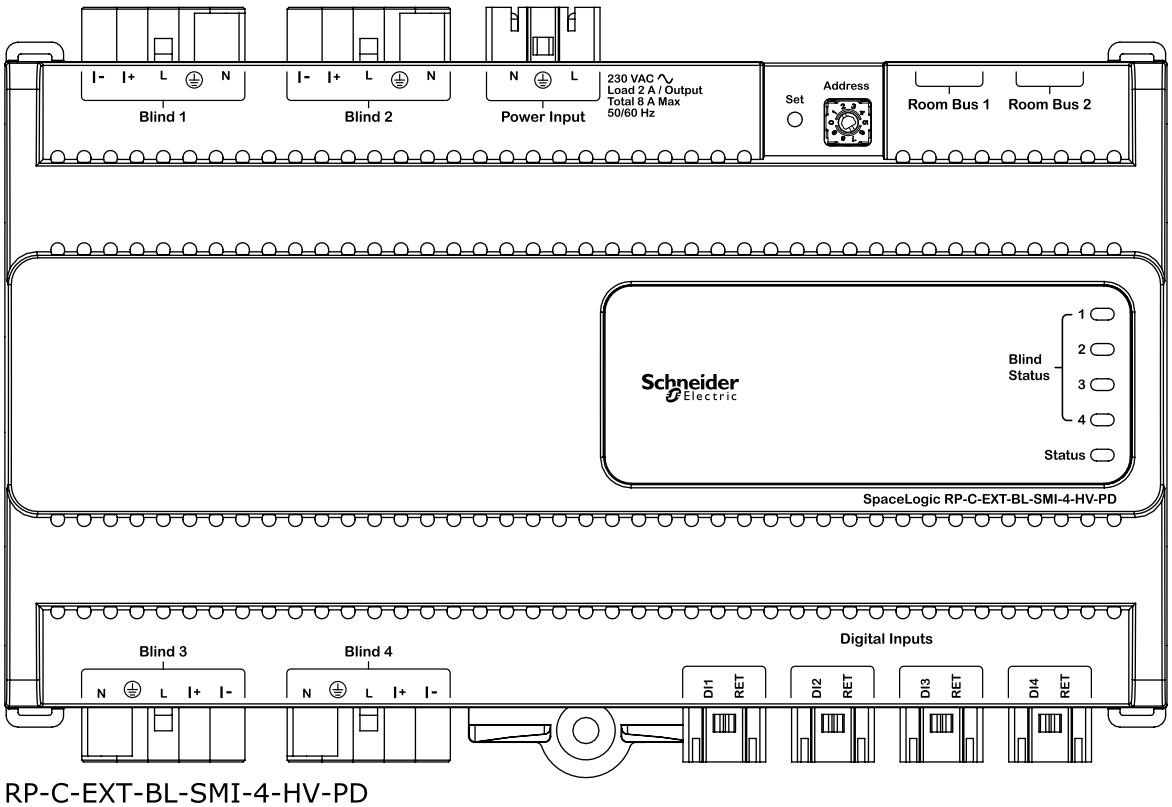
Anchor the excess cabling to alleviate all stresses on connectors and cable assemblies.

Failure to follow these instructions can result in equipment damage.

Connections, continued



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



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

Wiring

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

Part Numbers

Product	Part number
RP-C-EXT-BL-SMI-2-LV-PD	SXWRESMI2LVPD10001
RP-C-EXT-BL-SMI-4-HV-PD	SXWRESMI4HVPD10001

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	SXWRPCCONWWPOW	91.931.4053.1	Female	5.6–11 (0.22–0.43)	L, PE, N	Black /Black	100
Blind outputs (RP-C-EXT-BL-SMI-2-LV-PD)	SXWRPCCONWBLLV	91.952.4353.0	Male	8.5–12.5 (0.34–0.49)	5, 4, 3, 2, 1 5: I+ 4: I- 3: Not used 2: 0 V 1: 24 V	Light blue /White	50
Blind outputs (RP-C-EXT-BL-SMI-4-HV-PD)	SXWRPCCONWBLSMI	91.952.4053.1	Male	8.5–12.5 (0.34–0.49)	N, PE, 1, 2, 3 1: L 2: I+ 3: I-	Black /Black	50
Digital inputs	SXWRPCCONWDI	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

AC input
Nominal voltage
230 VAC∿50/60 Hz
Power consumption
75 VA (RP-C-EXT-BL-SMI-2-LV-PD)
Maximum current consumption
8 A (RP-C-EXT-BL-SMI-4-HV-PD)
Overvoltage category
III

DC input
Room bus power consumption
0.3 W (24 VDC)

Port types
Room bus
RS-485
Dual RJ45 ports for daisy-chain configurations

Operation environment, RP-C-EXT-BL-SMI-2-LV-PD
Ambient temperature, operating
0 to 40 °C (32 to 104 °F)
See section Installation Orientation Restrictions.
Humidity
20 to 90 % RH non-condensing
Pollution degree
2

Operation environment, RP-C-EXT-BL-SMI-4-HV-PD
Ambient temperature, operating
0 to 50 °C (32 to 122 °F)
Humidity
20 to 90 % RH non-condensing
Pollution degree
2

Mechanical
Ingress protection rating
IP 20
Plastic flame rating
UL94 V-0

Blind outputs, RP-C-EXT-BL-SMI-2-LV-PD
Outputs
2, Blind 1 to Blind 2
I+ : Control wire +
I- : Control wire -
Power distribution
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-SMI-4-HV-PD
Outputs
4, Blind 1 to Blind 4
I+ : Control wire +
I- : Control wire -
Power distribution
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
Input rating
5 VDC ⎓, 2.2 mA, SELV
Inputs
4

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)	O	O	O	O	O	O
电子件 (Electronics)	X	O	O	O	O	O

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