

SpaceLogic™ RP-C-EXT-DALI-M-PD and RP-C-EXT-DALI 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.

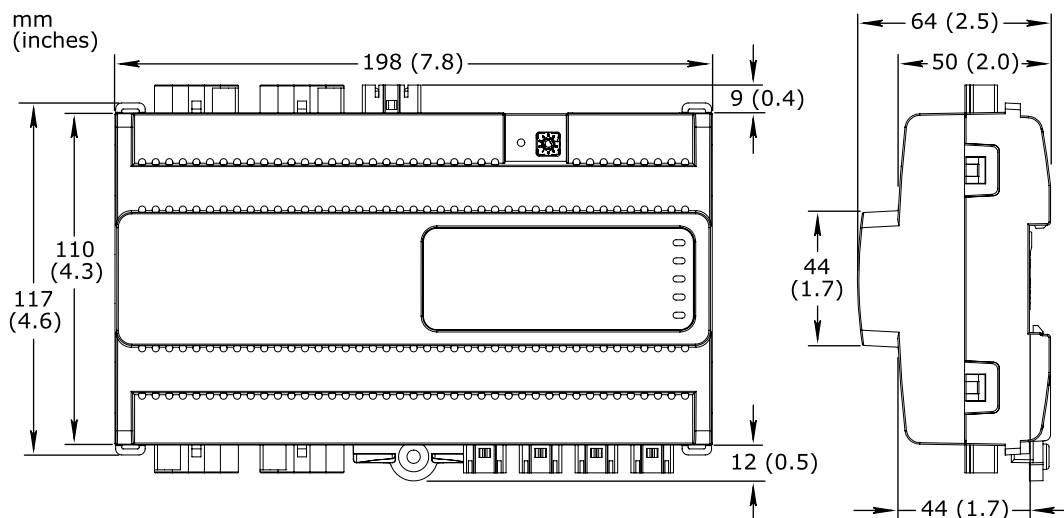
Carefully read these instructions and all information relevant for this product before trying to install it. See the list of technical literature.

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

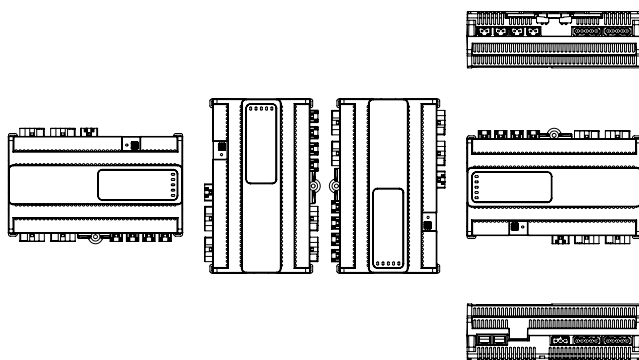
- SpaceLogic Hardware Reference Guide, 04-XX001-XX-en

Dimensions



Installation Orientation Restrictions

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



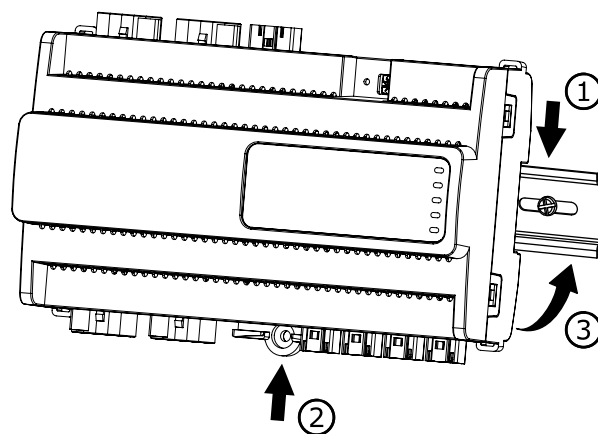
Installing the Device on a DIN Rail

NOTICE

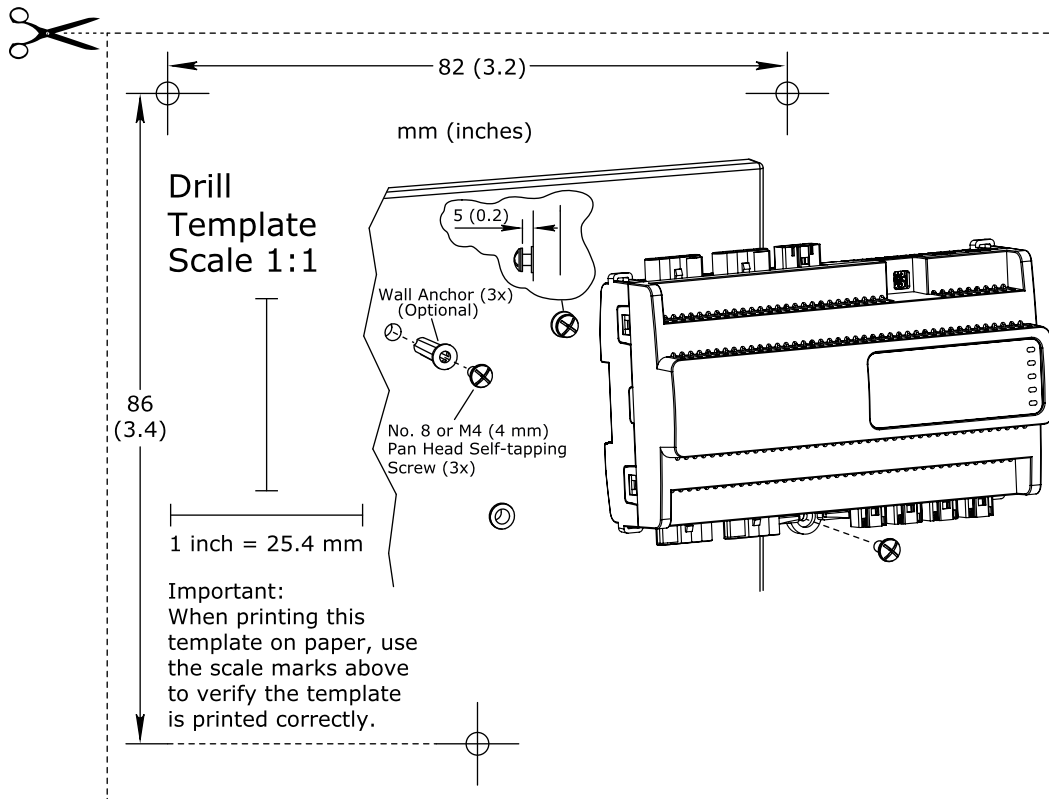
EXPANSION MODULE DAMAGE

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.

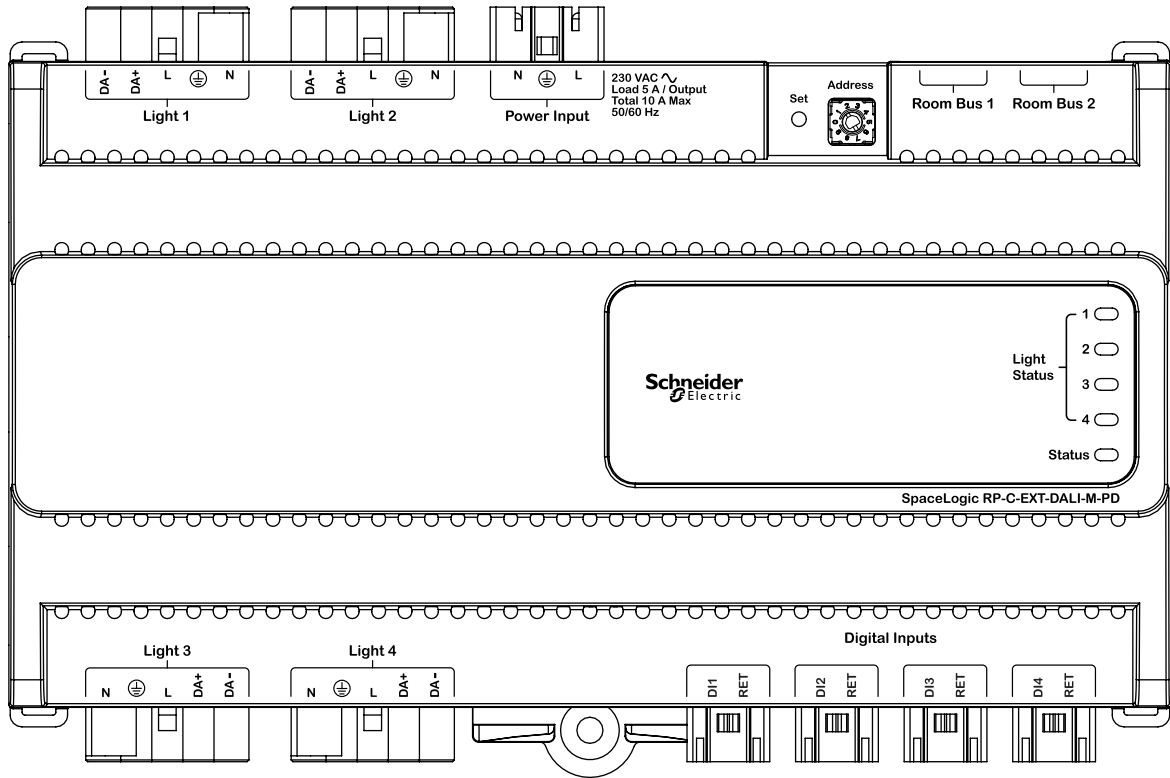
NOTICE

CONNECTOR OR CABLE ASSEMBLY DAMAGE

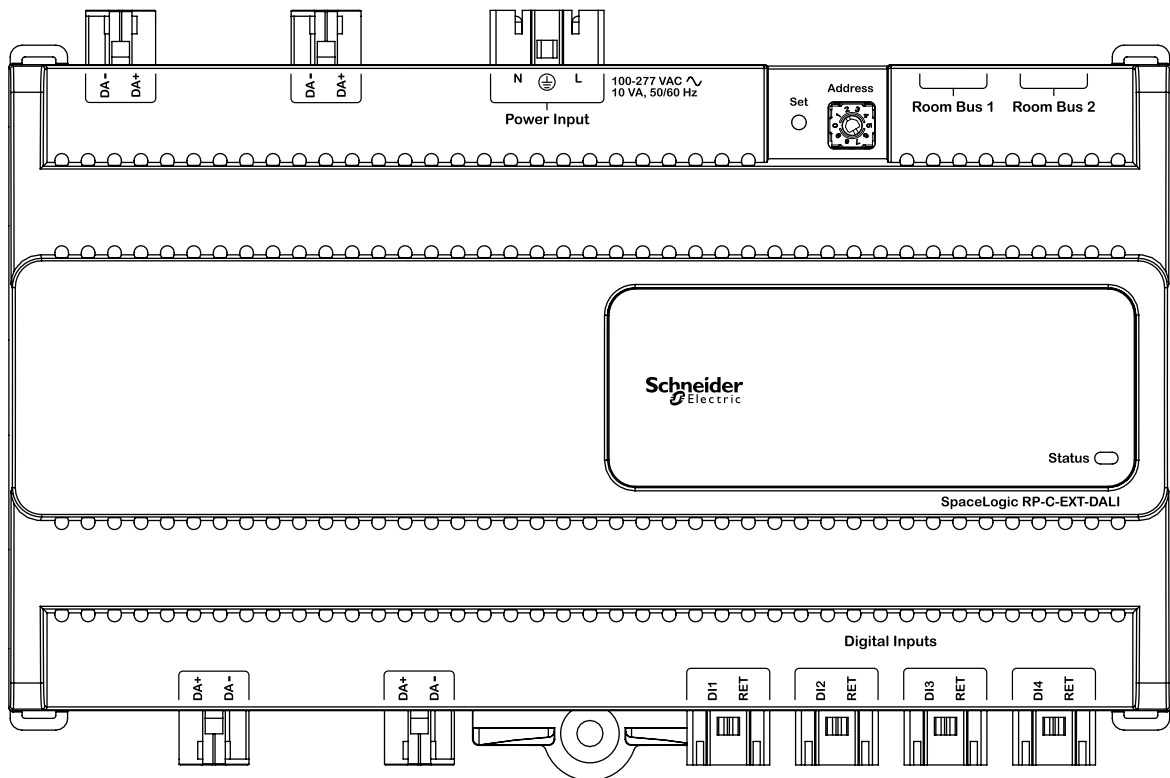
Anchor the excess cabling to alleviate all stresses on connectors and cable assemblies.

Failure to follow these instructions can result in equipment damage.

Connections, continued



RP-C-EXT-DALI-M-PD



RP-C-EXT-DALI

Wiring

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

Part Numbers

Product	Part number
RP-C-EXT-DALI-M-PD	SXWREDAMPD10001
RP-C-EXT-DALI	SXWREDALI110001

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)	Tightening torque, screws Nm (lbf.in)	Marking	Color of coding /housing	Minimum order quantity
Power supply input	SXWRPCCON WWPOW	91.931.4053.1	Female	5.6–11 (0.22–0.43)	0.3–0.5 (2.7–4.4)	L, PE, N	Black /Black	100
DALI outputs (RP-C-EXT-DALI-M-PD)	SXWRPCCON WWLIGHTPD	91.952.4453.0	Male	8.5–12.5 (0.34–0.49)	0.3–0.5 (2.7–4.4)	N, PE, L, D2, D1: DA+ D1: DA-	Pastel blue /White	50
DALI outputs (RP-C-EXT-DALI)	SXWRPCCON WWLIGHT	91.922.3453.0	Male	6–7.7 (0.24–0.30)	0.3–0.5 (2.7–4.4)	D2, D1 D2: DA+ D1: DA-	Pastel blue /White	100
Digital inputs	SXWRPCCON WDI	91.921.2353.0	Female	3.4–5.5 (0.14–0.21)	0.3–0.5 (2.7–4.4)	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, RP-C-EXT-DALI-M-PD

Nominal voltage

230 VAC ~ 50/60 Hz

Maximum current consumption

10 A

Overvoltage category

III

AC input, RP-C-EXT-DALI

Nominal voltage

100 to 277 VAC ~ 50/60 Hz

Power consumption

10 VA

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

Ambient temperature, operating

0 to 50 °C (32 to 122 °F)

Humidity

20 to 90 % RH non-condensing

Pollution degree

2

Mechanical, RP-C-EXT-DALI-M-PD

Ingress protection rating

IP 20

Plastic flame rating

UL94 V-0

Mechanical, RP-C-EXT-DALI

Ingress protection rating

IP 20

Plastic flame rating

UL94 V-0

Plenum rating

UL 2043 (Approved for plenum installations)

DALI light outputs, RP-C-EXT-DALI-M-PD

Outputs

4 (1 DALI channel)

Maximum supply current

250 mA

Guaranteed supply current

64 mA

Power distribution

230 VAC (same voltage as power supply)

Maximum 5 A load per output

Maximum 10 A total load for the 4 outputs

Maximum 165 A inrush current (<20 ms) per output

Maximum 800 A inrush current (<200 μs) per output

DALI light outputs, RP-C-EXT-DALI

Outputs

4 (1 DALI channel)

Maximum supply current

250 mA

Guaranteed supply current

64 mA

DI – Digital inputs

Input rating

5 VDC $\overline{\text{---}}$, 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.)

