PHILIPS
dynalite

DMC-GRMS-UL

Guest Room Modular Controller

Installation Instructions

Instructions d'installation
Installationsanweisungen
Instrucciones de instalación
Istruzioni per l'installazione
Installatie-instructies
インストール手順
安装指示
إرشادات التركيب

Devices must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.

Les appareils doivent être installés par un électricien diplômé conformément à tous les codes et réglementations électriques et de construction nationaux et locaux.

Die Geräte sind von einem qualifizierten Elektriker in Übereinstimmung mit allen geltenden Vorschriften zu installieren.

Los dispositivos deben ser instalados por un electricista calificado y cumpliendo todas las normas y regulaciones, tanto nacionales como locales, sobre instalaciones eléctricas y obras.

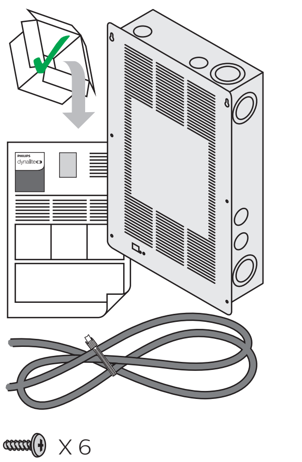
I dispositivi devono essere installati da un elettricista qualificato in conformità con le norme locali e nazionali vigenti in materia di costruzioni edilizie e installazione di impianti elettrici.

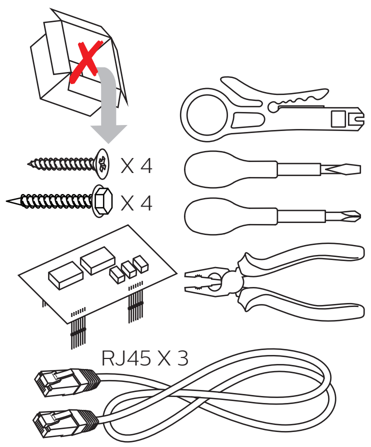
De apparaten moeten worden aangebracht door een gekwalificeerde elektricien en in overeenstemming met alle nationale en plaatselijke elektriciteits- en bouwvoorschriften.

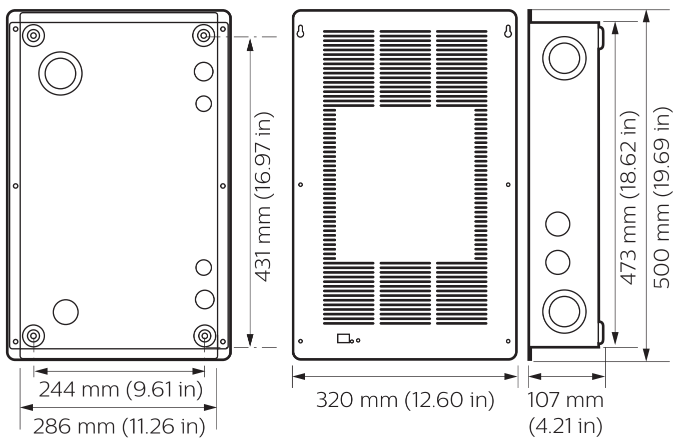
装置を取り付ける際は、資格のある電気技師に依頼し、国および地域の電気および建設に関するすべての法令に従ってください。

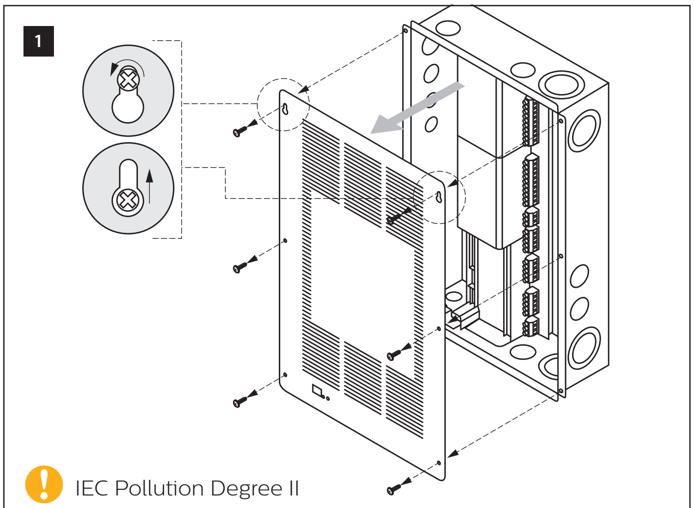
根据国家/地区及当地的电气与建筑规范和法规，该设备必须由有资质的电工进行安装。

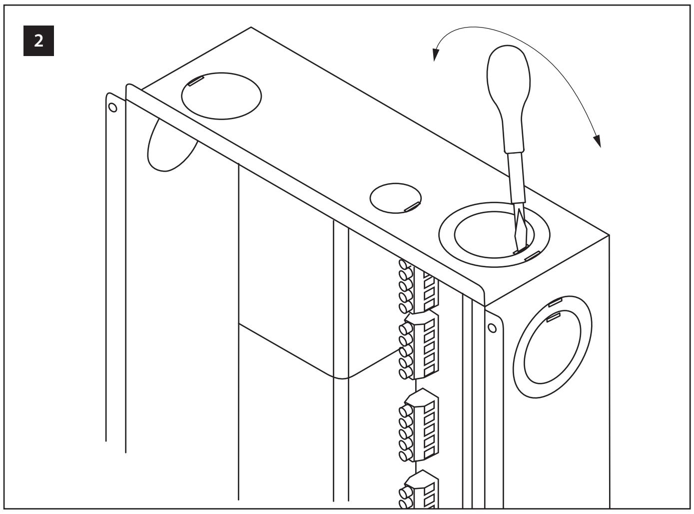
يجب تركيب الأجهزة من قبل فني كهربائي مؤهل وفقًا لكافة قوانين ولوائح التركيب الكهربائي المحلي والوطني.







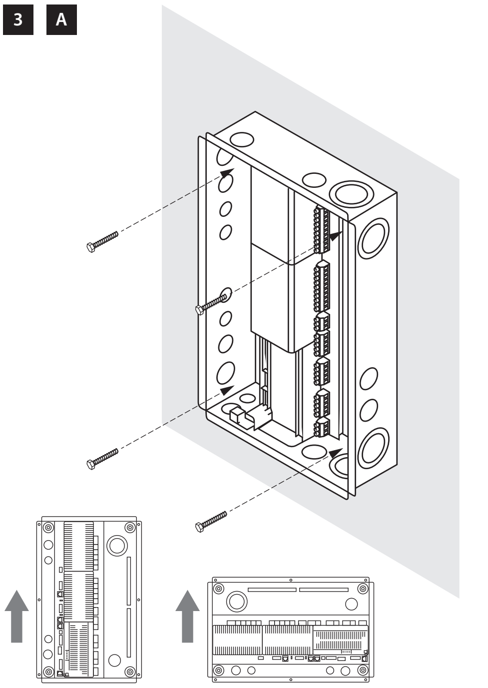




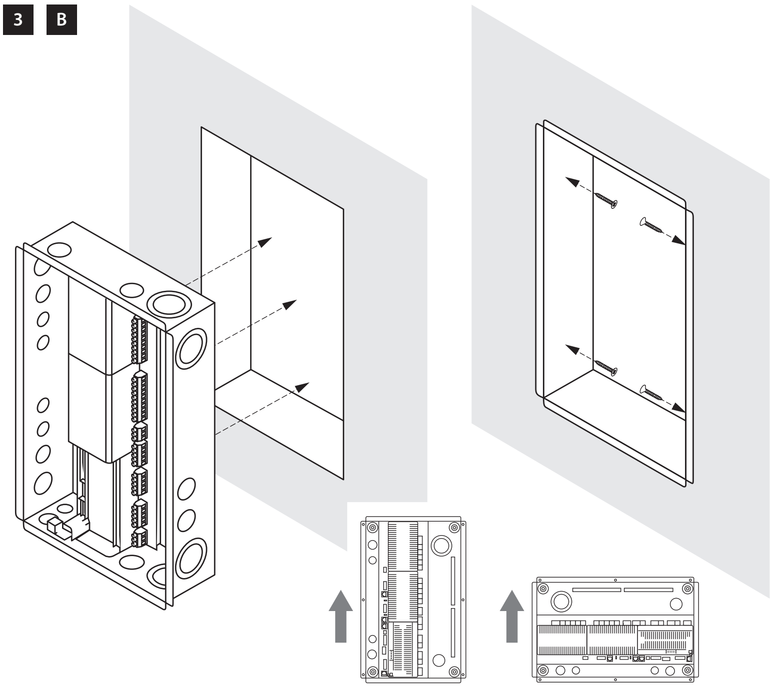
40° C (104° F)
0° C (32° F)
≤90%

www.lighting.philips.com/dynalite

3 **A**



3 **B**



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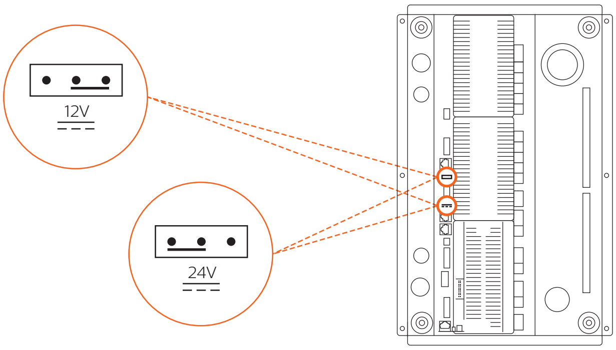


5

Output Ratings / Channel (CH)

Load Type	CH9 - CH13	CH14, CH16	CH15, CH17	CH18 - CH19	OUT1 - OUT3
General Use	16 A, 277 V ~	16 A, 277 V ~	16 A, 277 V ~ (N/O) 4 A, 250 V ~ (N/C)	16 A, 277 V ~	1 A, 30 V ⎓
Resistive		1 A, 30 V ⎓	1 A, 30 V ⎓	1 A, 30 V ⎓	
Incandescent	10 A, 120 V ~ 4.3 A, 277 V ~			10 A, 120 V ~ 4.3 A, 277 V ~	
Electronic Driver	5 A, 120 V ~ 3 A, 277 V ~			5 A, 120 V ~ 3 A, 277 V ~	
Motor		9.8 FLA (½ HP), 120 V ~ 8 FLA (1 HP), 240 V ~	9.8 FLA (½ HP), 120 V ~ (N/O) 8 FLA (1 HP), 240 V ~ (N/O)		
TV Rating	TV-8, 120 V ~	TV-5, 120 V ~	TV-5, 120 V ~	TV-8, 120 V ~	
Inrush Current	165 A	100 A	100 A	165 A	

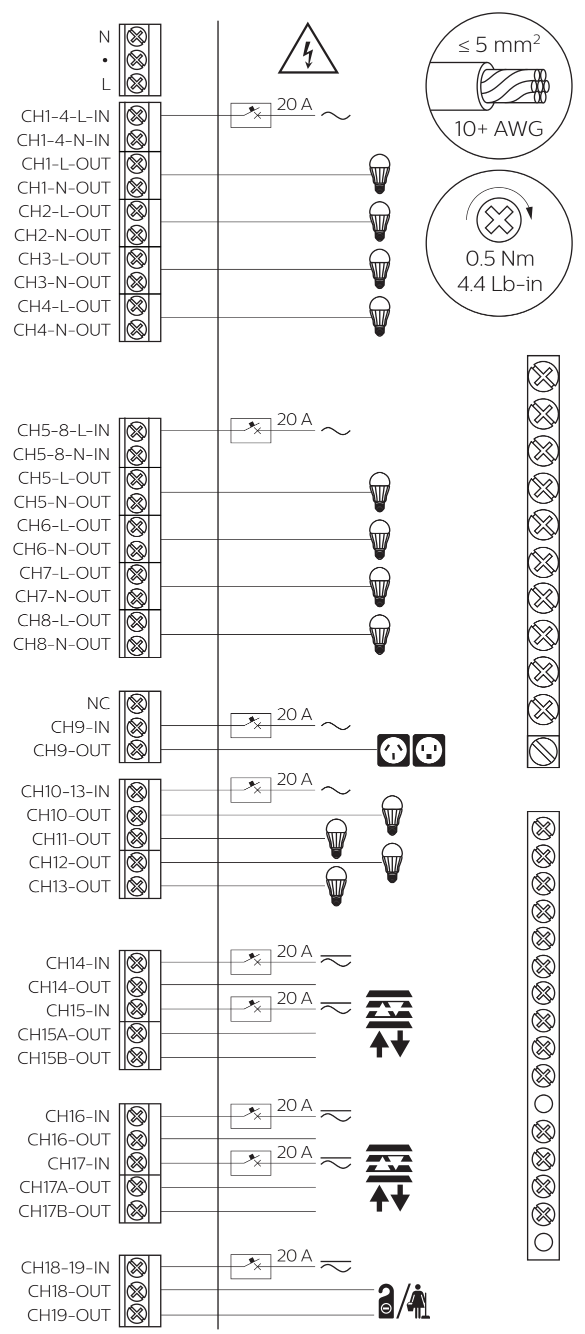
Output Ratings/Group

CH1-CH4* ≤ 10 A
CH5-CH8* ≤ 10 A
CH10-CH13 ≤ 16 A
CH18-CH19 ≤ 16 A
DMC-GRMS-UL ≤ 132 A

* Ratings for CH1-CH8 are based on module rating.

! LE/TE dimming module supply must be from the same phase as the controller supply

6



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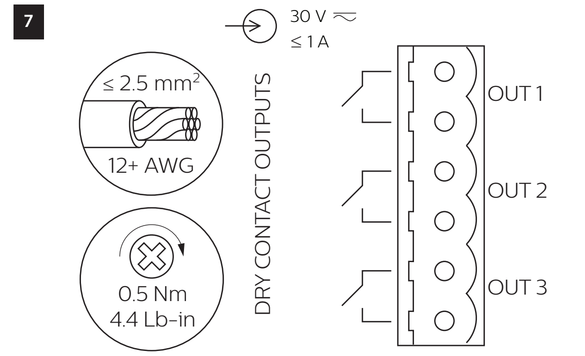
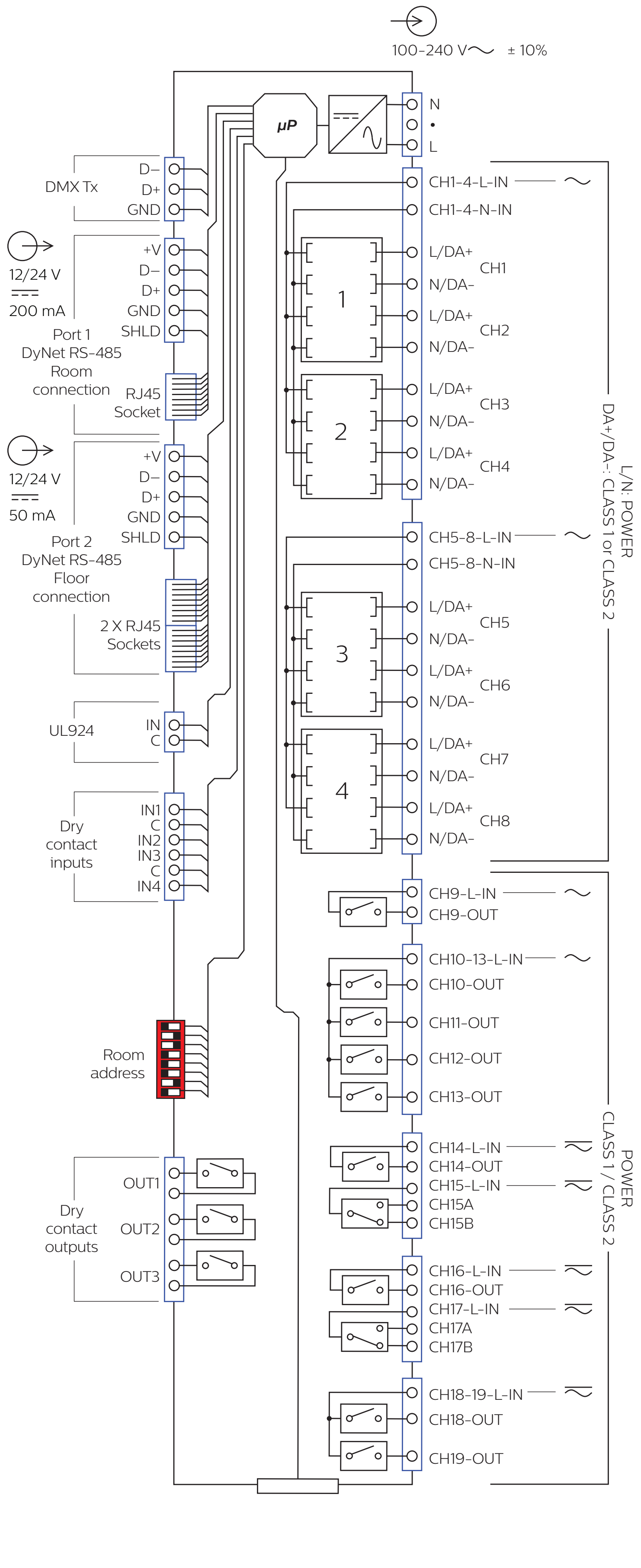


Requires an external supply

8

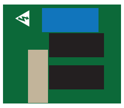


IEC Overvoltage Category III

9

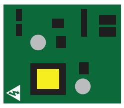
DGCM102
1 x 2 A curtain module

DGFM102
1 x 2 A fan module

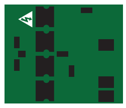


DGRM204
2 x 4 A relay module

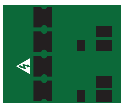
DGBM200
2 CH ballast module



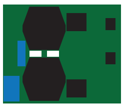
DGTM104
1 x 4 A Trailing Edge dimmer module



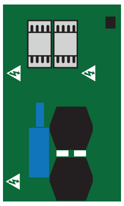
DGLM202
2 x 2 A Leading Edge dimmer module



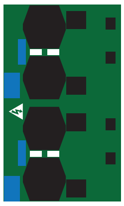
DGTM202
2 x 2 A Trailing Edge dimmer module



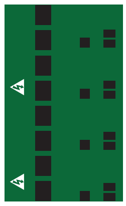
DGLM105
1 x 5 A Leading Edge dimmer module



DGLM402
4 x 2 A Leading Edge dimmer module



DGTM402
4 x 2 A Trailing Edge dimmer module



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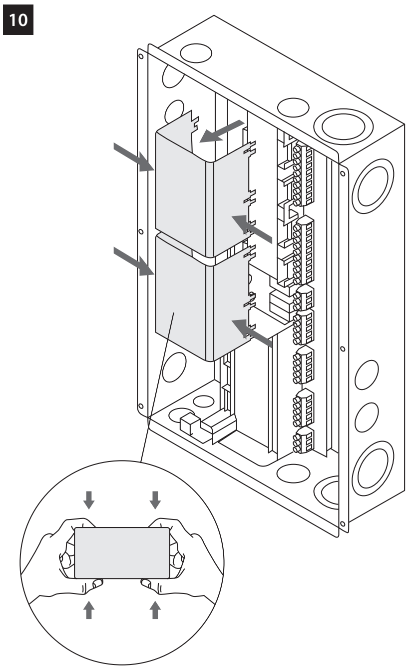

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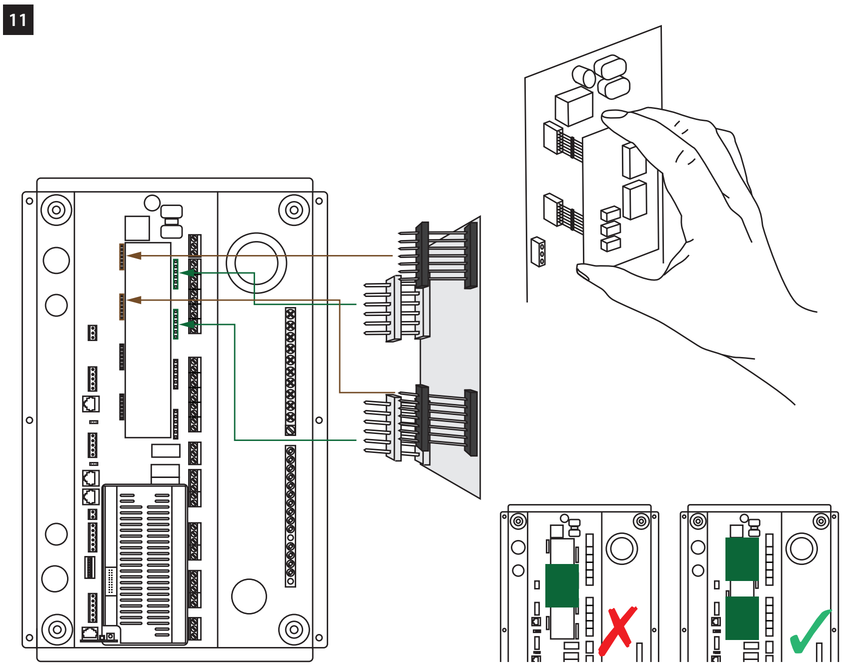
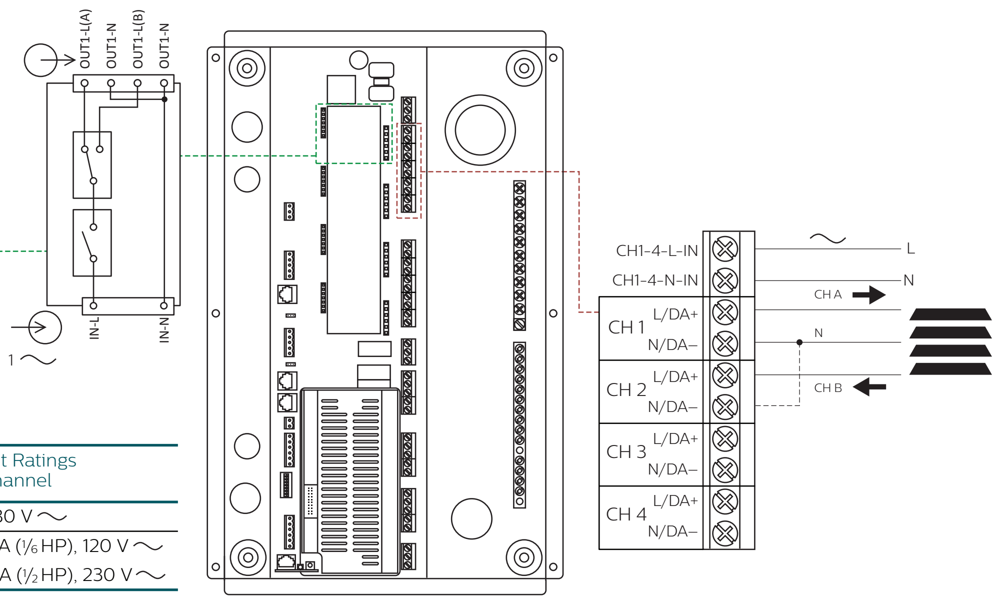


12 **A**

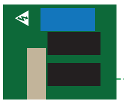
DGCM102
1 x 2 A
curtain
module

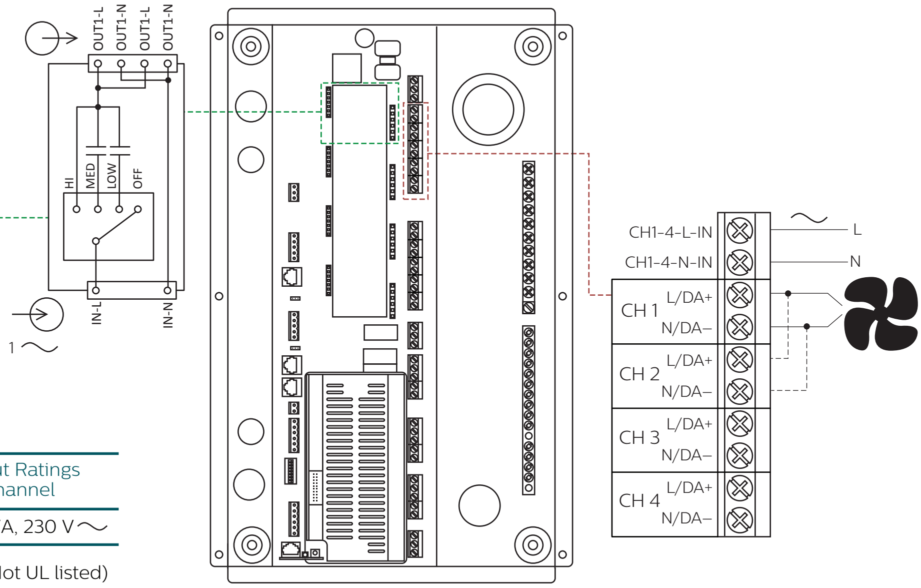


Load Type	Output Ratings per Channel
General use	2 A, 230 V ~
Motor x 1	4.4 FLA (1/6 HP), 120 V ~
	4.9 FLA (1/2 HP), 230 V ~

12 **B**

DGFM102
1 x 2 A
fan module



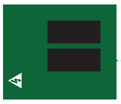


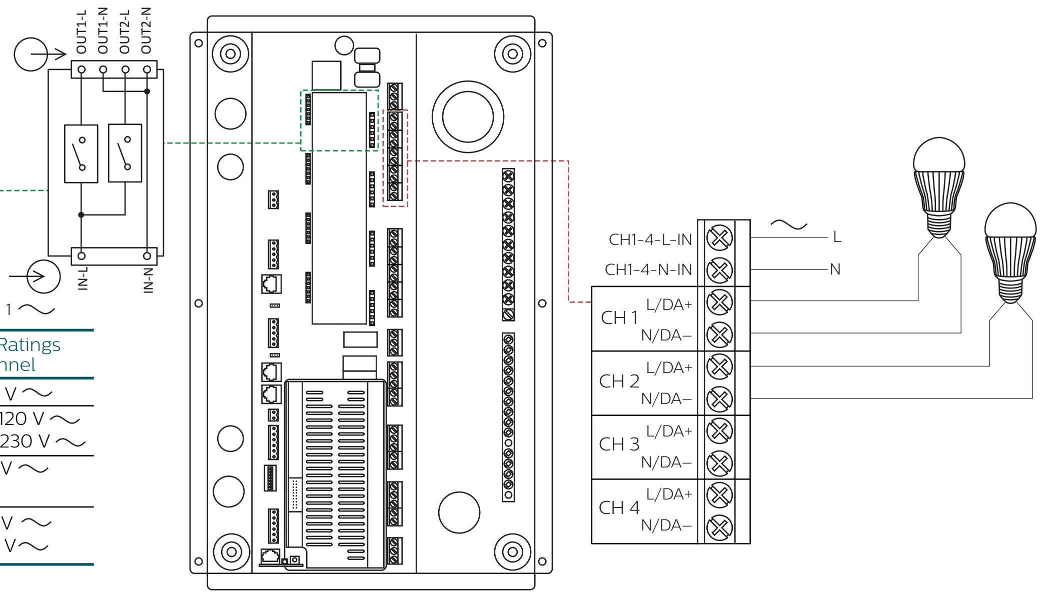
Load Type	Output Ratings per Channel
Motor x 1	400 VA, 230 V ~

Not suitable for 120 V ~ (Not UL listed)

12 **C**

DGRM204
2 x 4 A
relay module



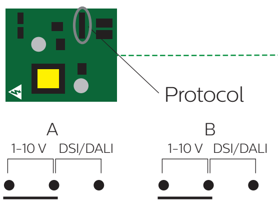


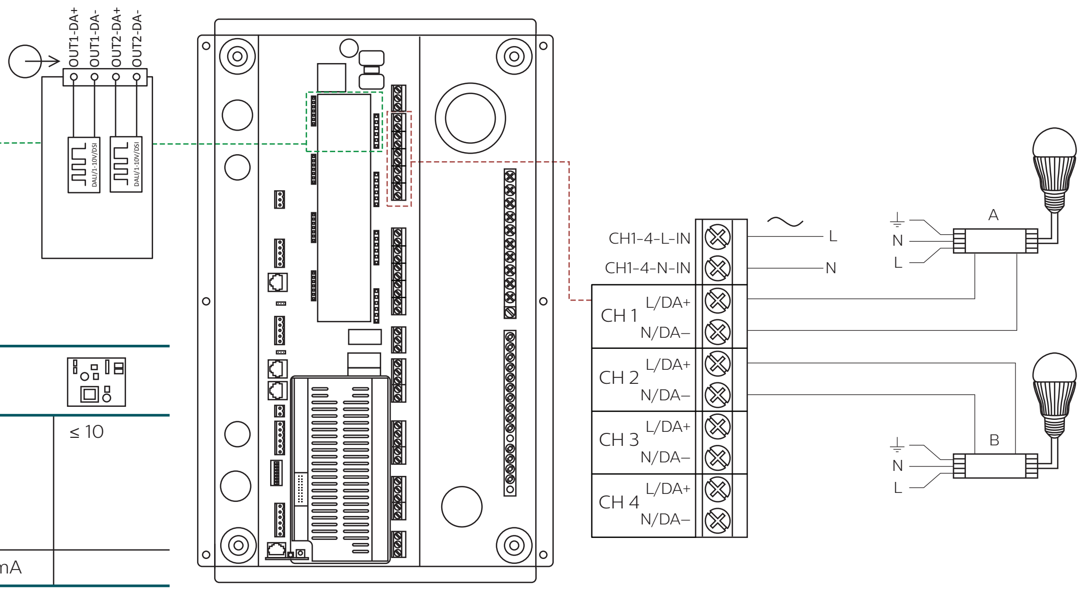
Load Type	Output Ratings per Channel
General use	4 A, 230 V ~
Incandescent	600 W, 120 V ~ 1100 W, 230 V ~
Magnetic with Halogen	2 A, 120 V ~
Electronic Driver	4 A, 120 V ~ 3 A, 230 V ~

Module Load ≤ 5 A

12 **D**

DGBM200
2 CH
ballast module



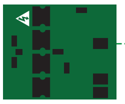


Control Channel Ratings

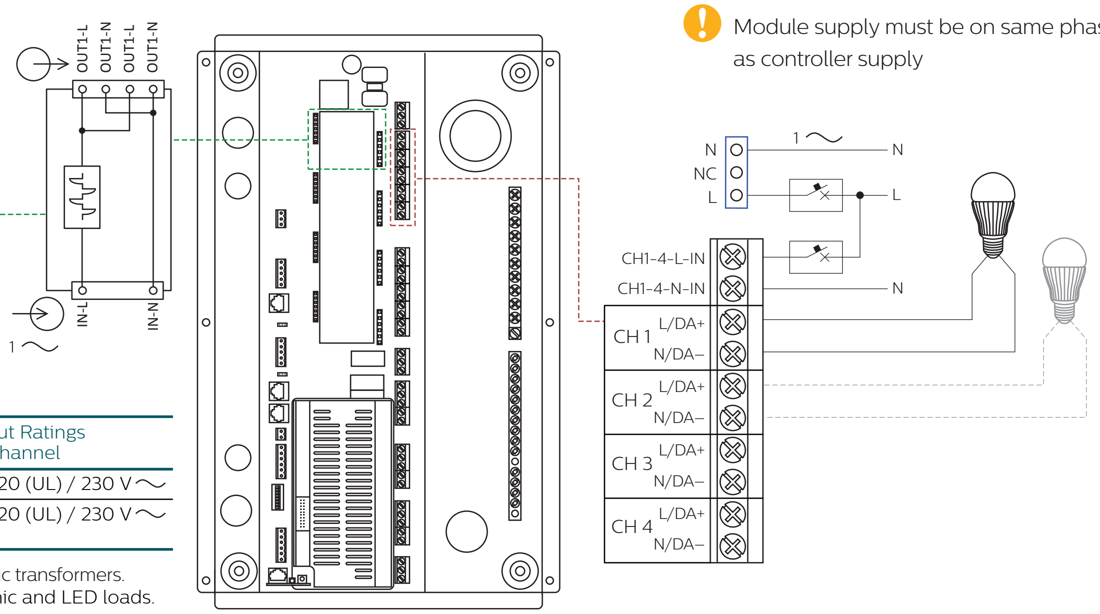
DALI Broad-cast/ **DSI**	≤ 5/CH 13 V ⎓ Guaranteed 10 mA, Maximum 250 mA Insulation: basic	≤ 10
1-10 V	Sink 10 mA / Source 10 mA	

12 **E**

DGTM104
1 x 4 A
TE dimmer
module



Module supply must be on same phase as controller supply

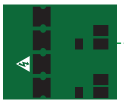


Load Type	Output Ratings per Channel
Incandescent	4 A, 120 (UL) / 230 V~
Electronic Driver	4 A, 120 (UL) / 230 V~

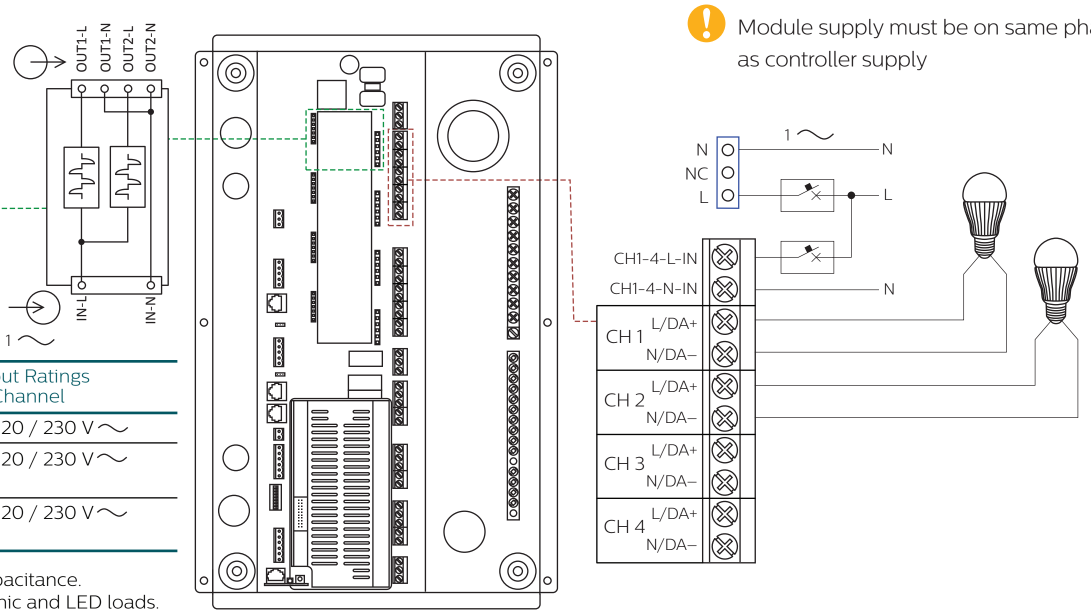
Not compatible with magnetic transformers.
Apply de-rating for electronic and LED loads.

12 **F**

DGLM202
2 x 2 A
LE dimmer
module



Module supply must be on same phase as controller supply

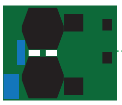


Load Type	Output Ratings per Channel
Incandescent	2 A, 120 / 230 V~
Magnetic with Halogen	2 A, 120 / 230 V~
Electronic Driver*	2 A, 120 / 230 V~

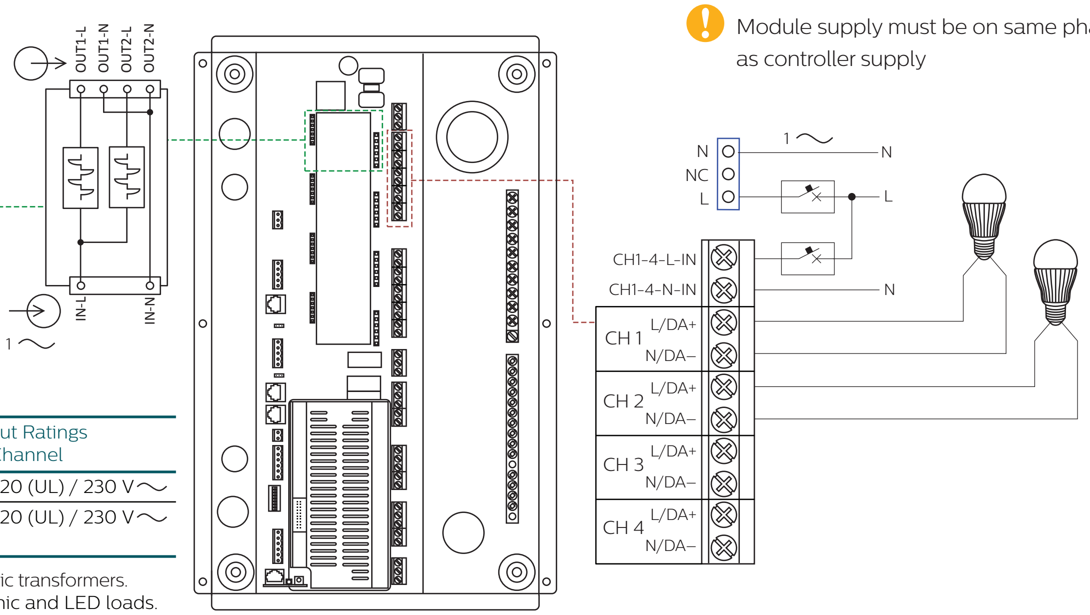
*can be limited by load capacitance.
Apply de-rating for electronic and LED loads.

12 **G**

DGTM202
2 x 2 A
TE dimmer
module



Module supply must be on same phase as controller supply

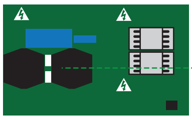


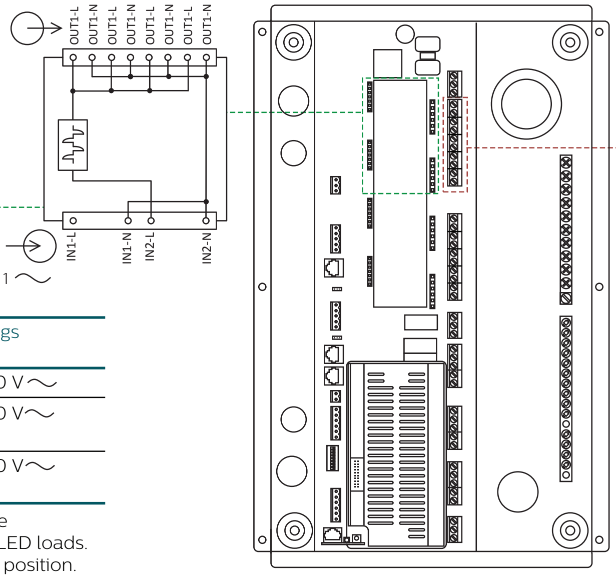
Load Type	Output Ratings per Channel
Incandescent	2 A, 120 (UL) / 230 V~
Electronic Driver	2 A, 120 (UL) / 230 V~

Not compatible with magnetic transformers.
Apply de-rating for electronic and LED loads.

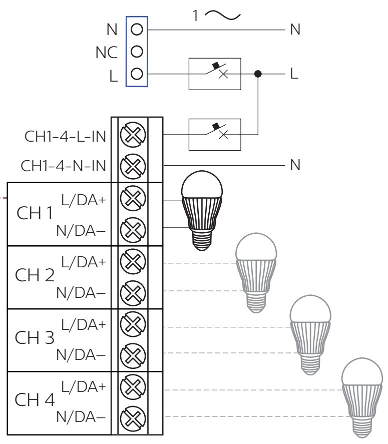
12 H

DGLM105
1 x 5 A
LE dimmer
module





Module supply must be on same phase as controller supply

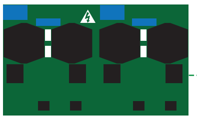


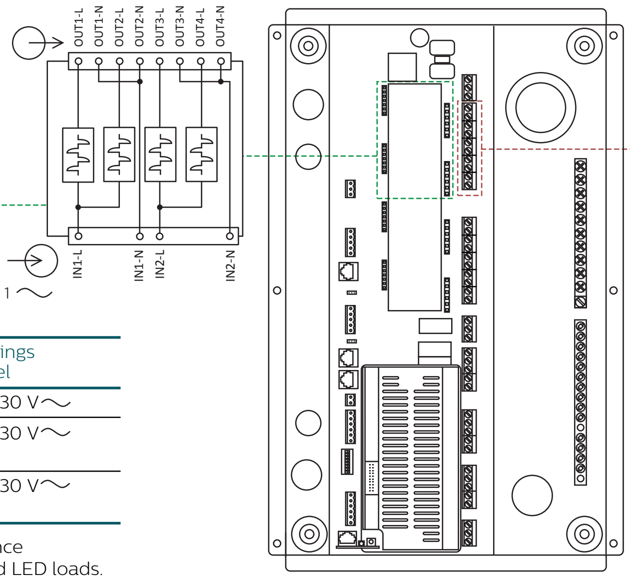
Load Type	Output Ratings per Channel
Incandescent	5 A, 120 / 230 V~
Magnetic with Halogen	5 A, 120 / 230 V~
Electronic Driver*	5 A, 120 / 230 V~

*can be limited by load capacitance
Apply de-rating for electronic and LED loads.
Do not place module in the middle position.

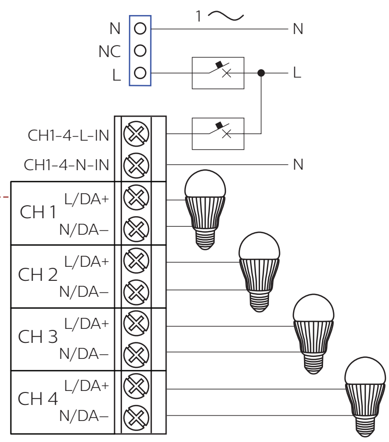
12 I

DGLM402
4 x 2 A
LE dimmer
module





Module supply must be on same phase as controller supply

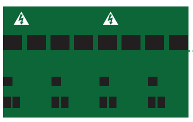


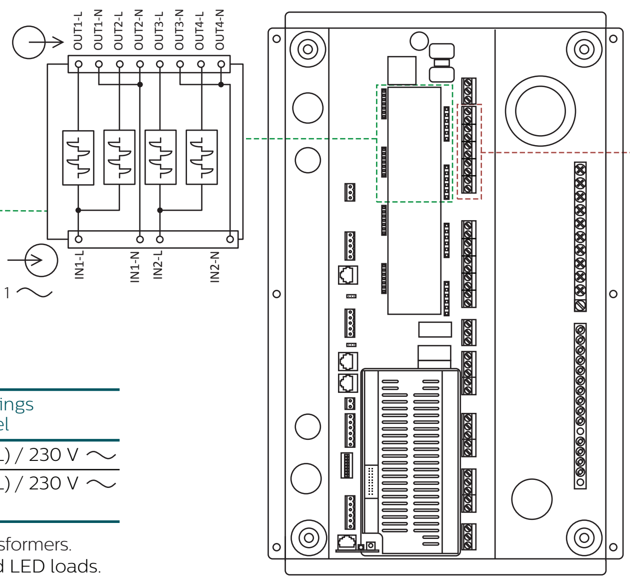
Load Type	Output Ratings per Channel
Incandescent	2 A, 120 / 230 V~
Magnetic with Halogen	2 A, 120 / 230 V~
Electronic Driver*	2 A, 120 / 230 V~

*can be limited by load capacitance
Apply de-rating for electronic and LED loads.

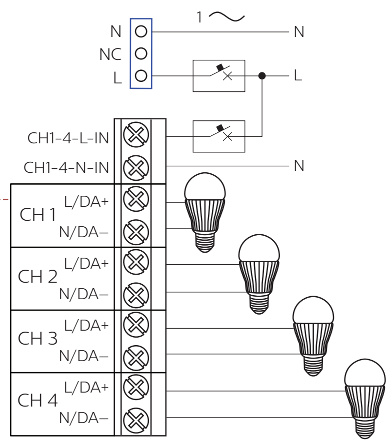
12 J

DGTM402
4 x 2 A
TE dimmer
module





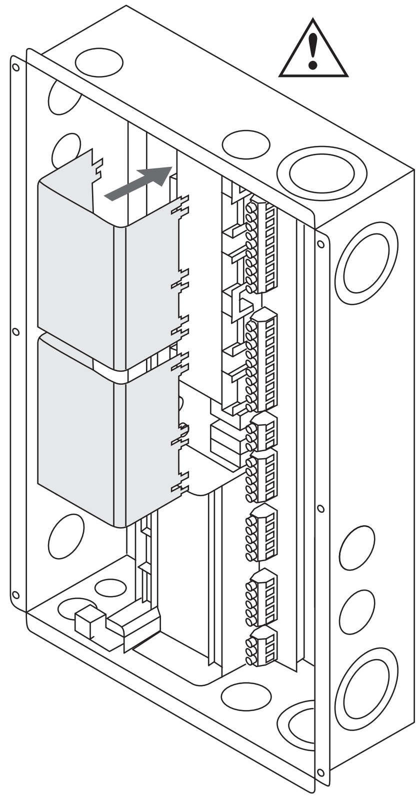
Module supply must be on same phase as controller supply



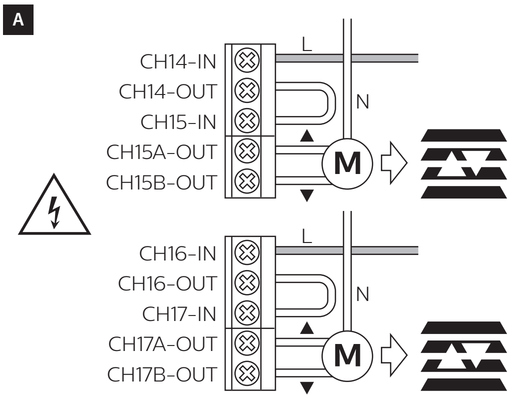
Load Type	Output Ratings per Channel
Incandescent	2 A, 120 (UL) / 230 V ~
Electronic Driver	2 A, 120 (UL) / 230 V ~

Not compatible with magnetic transformers.
Apply de-rating for electronic and LED loads.

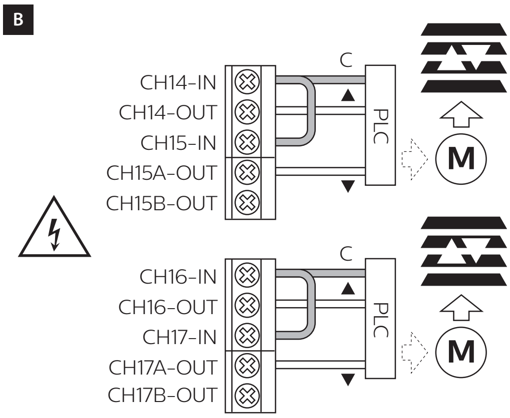
13



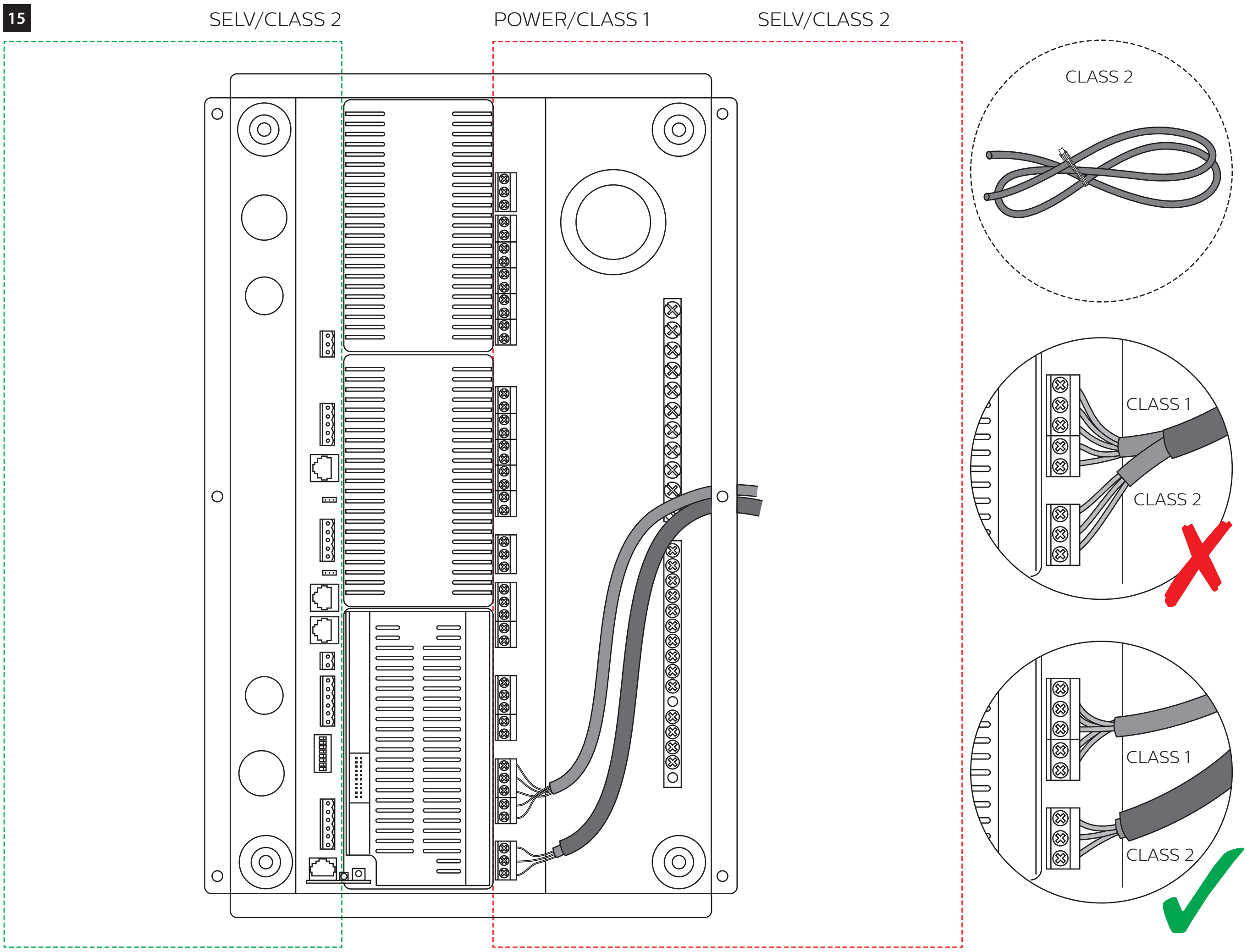
14 A


CH14-IN
CH14-OUT
CH15-IN
CH15A-OUT
CH15B-OUT
L
N
M
CH16-IN
CH16-OUT
CH17-IN
CH17A-OUT
CH17B-OUT
L
N
M

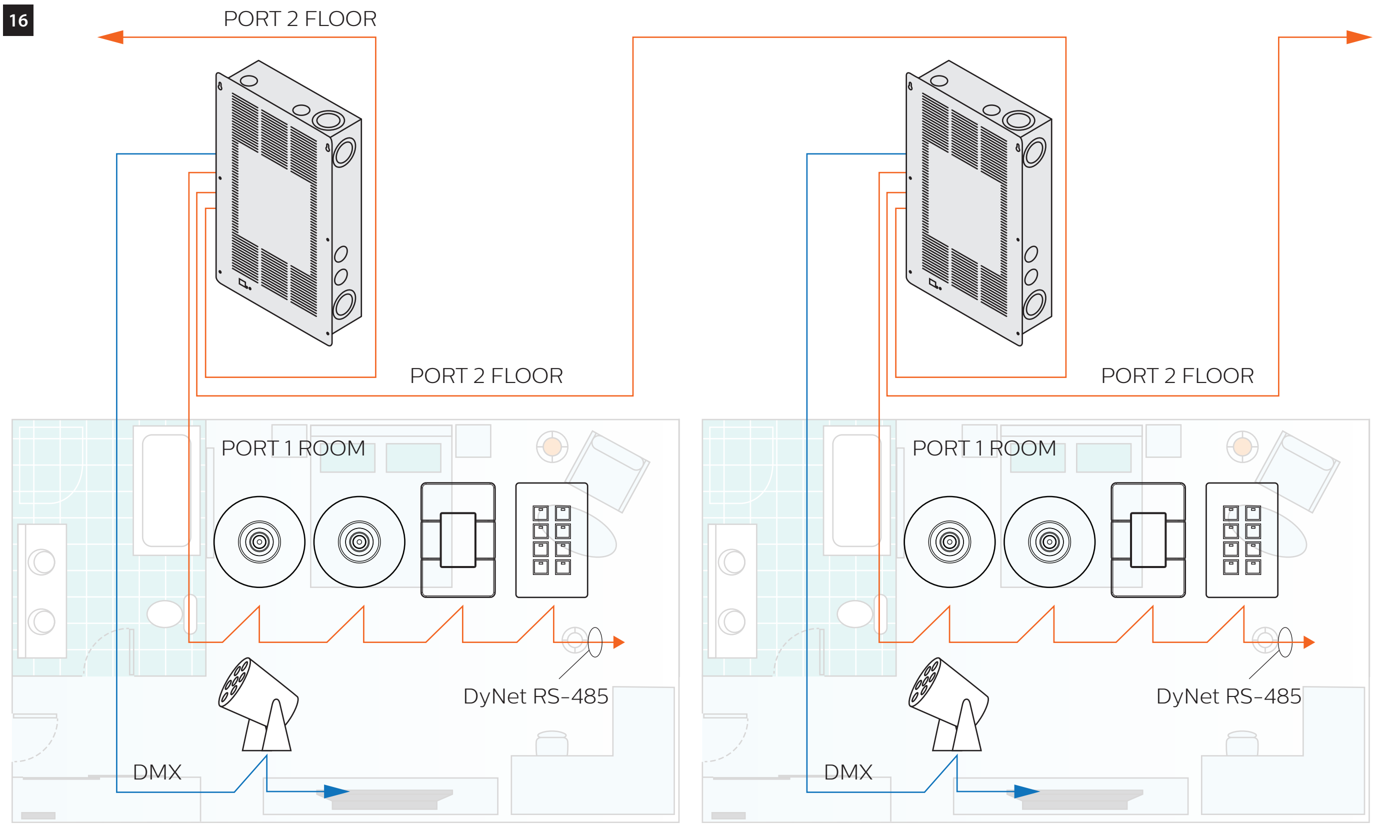
14 B


CH14-IN
CH14-OUT
CH15-IN
CH15A-OUT
CH15B-OUT
C
PLC
M
CH16-IN
CH16-OUT
CH17-IN
CH17A-OUT
CH17B-OUT
C
PLC
M

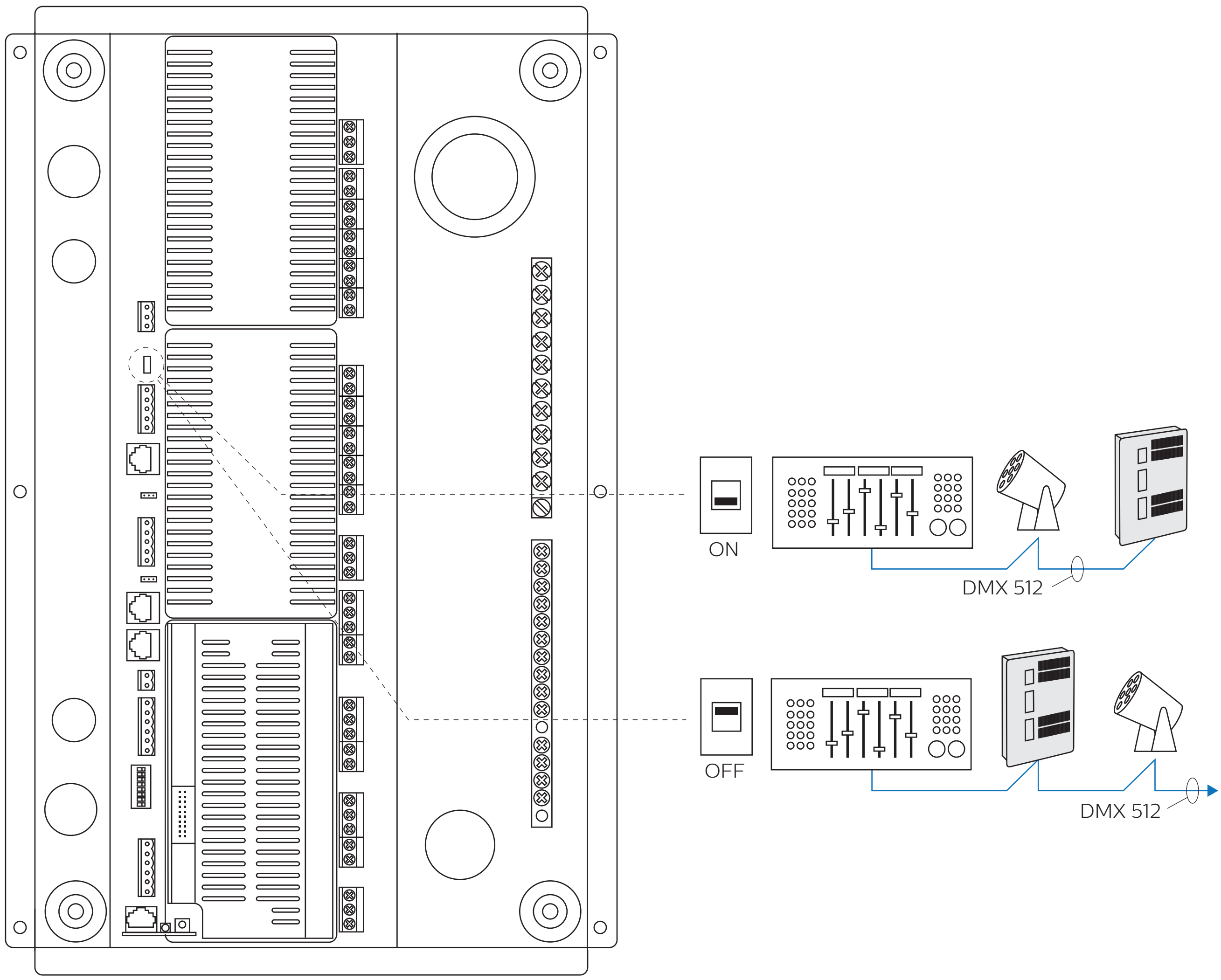
15

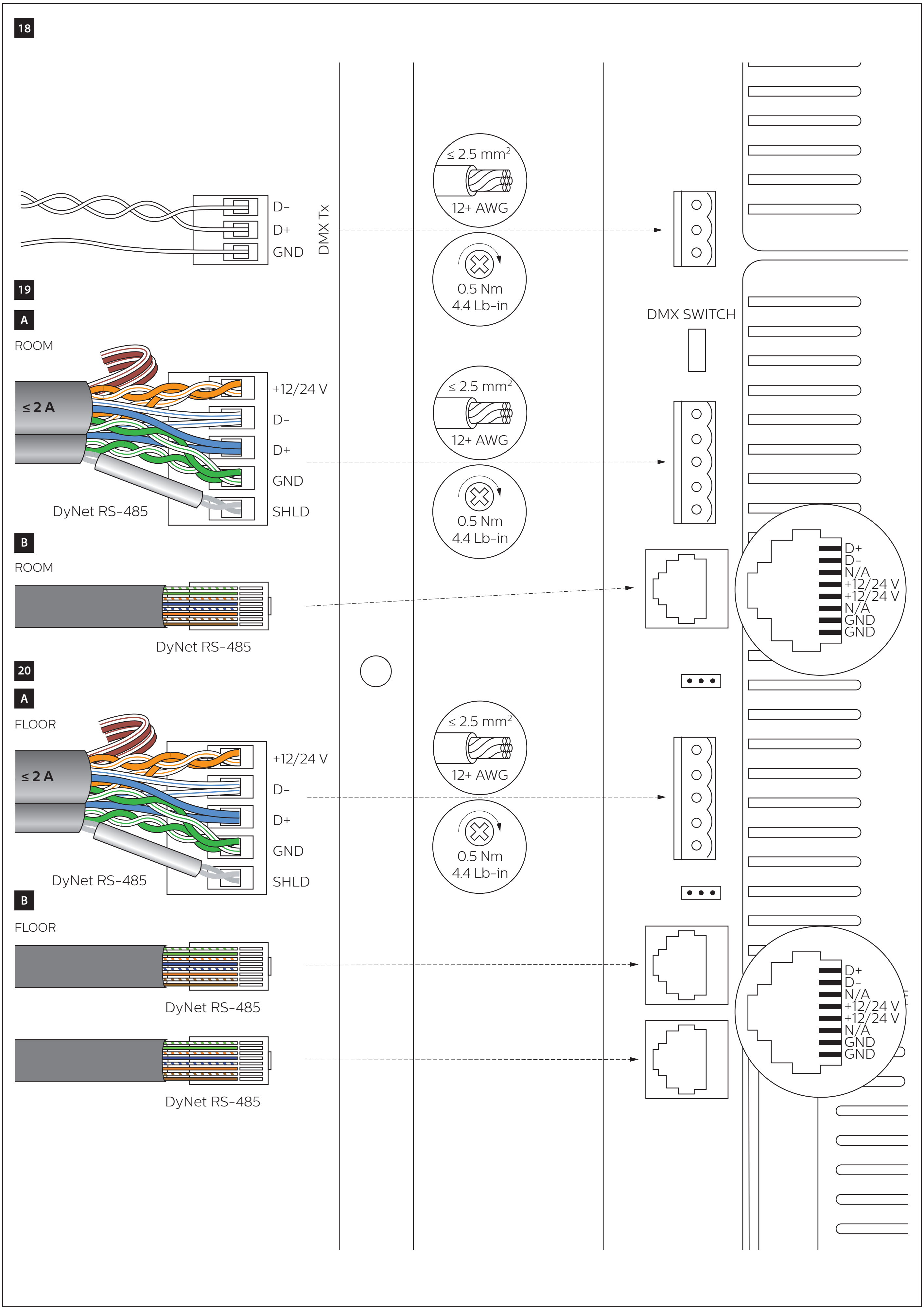

SELV/CLASS 2
POWER/CLASS 1
SELV/CLASS 2
CLASS 2
CLASS 1
CLASS 2
CLASS 1
CLASS 2

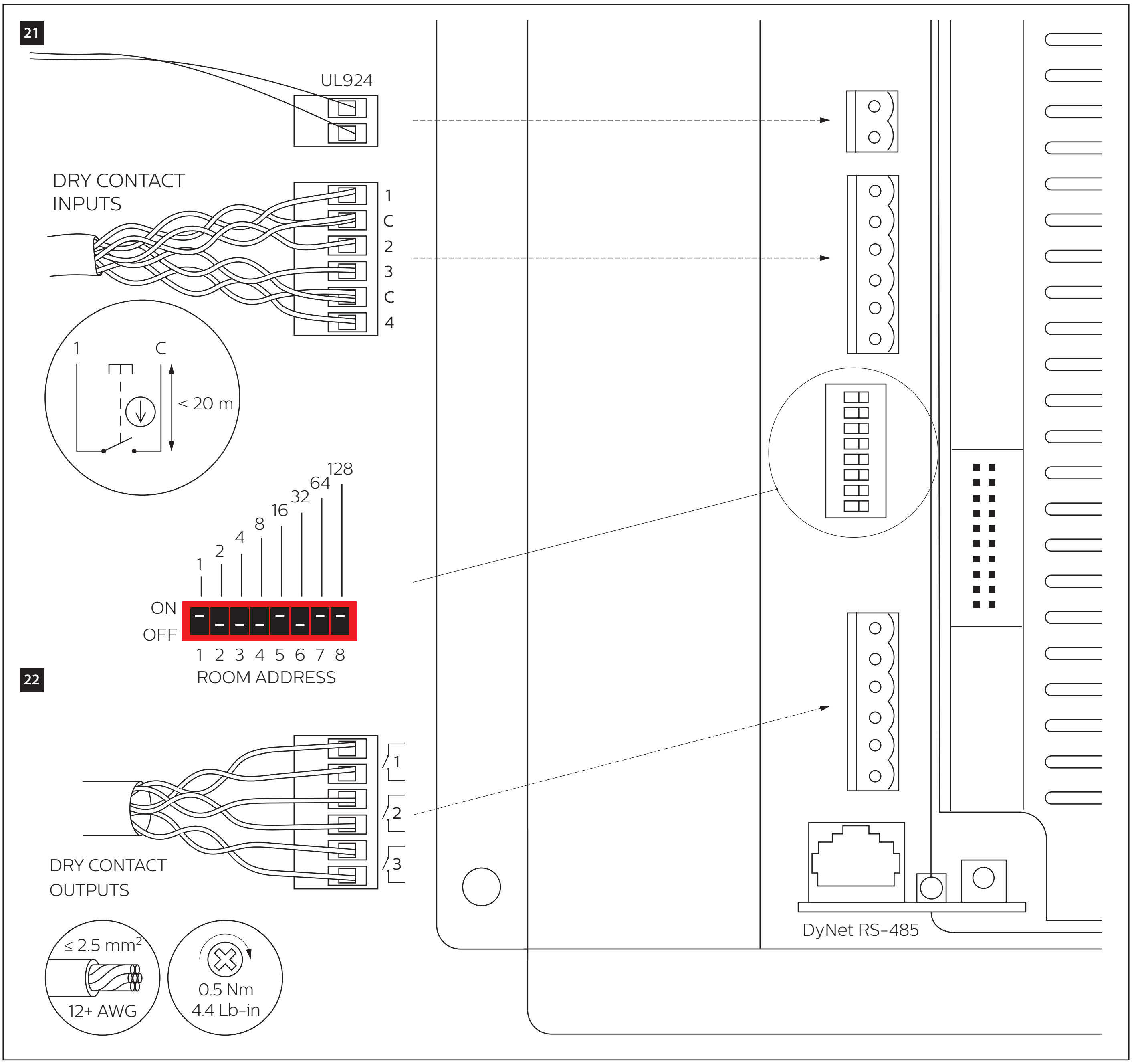
16

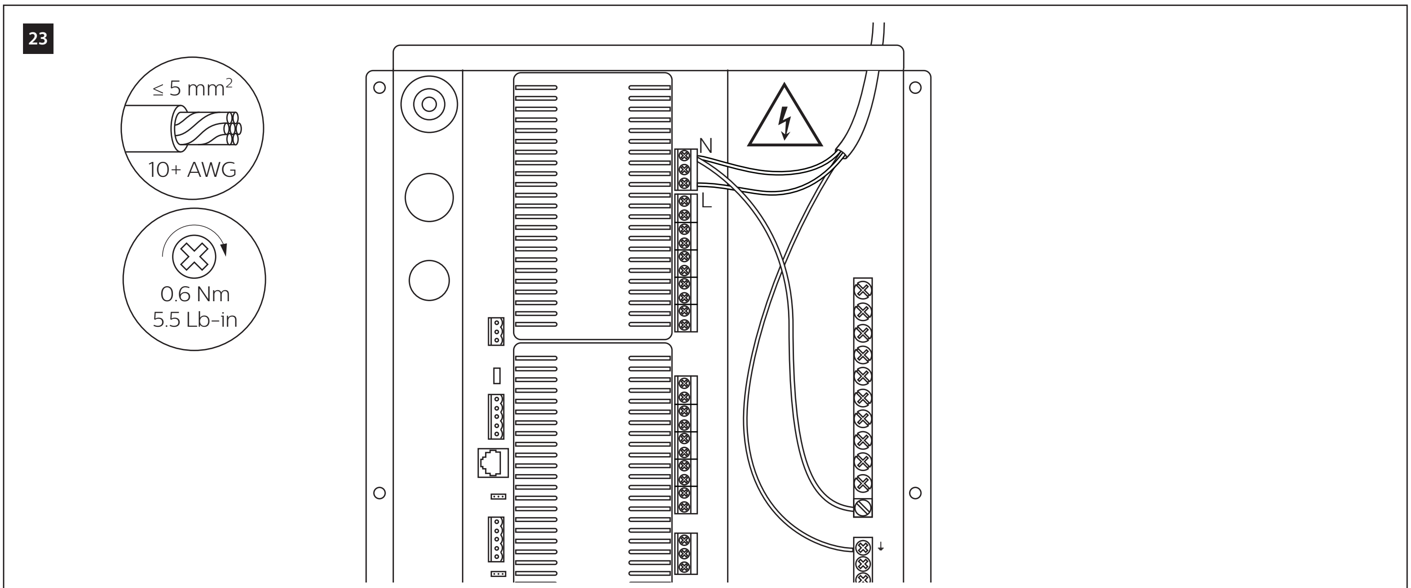

PORT 2 FLOOR
PORT 2 FLOOR
PORT 1 ROOM
DyNet RS-485
DMX
PORT 2 FLOOR
PORT 1 ROOM
DyNet RS-485
DMX

17


ON
DMX 512
OFF
DMX 512


18
D−
D+
GND
DMX Tx
≤ 2.5 mm²
12+ AWG
0.5 Nm
4.4 Lb-in
DMX SWITCH
19
A
ROOM
≤ 2 A
+12/24 V
D−
D+
GND
SHLD
DyNet RS-485
B
ROOM
DyNet RS-485
D+
D−
N/A
+12/24 V
+12/24 V
N/A
GND
GND
20
A
FLOOR
≤ 2 A
+12/24 V
D−
D+
GND
SHLD
DyNet RS-485
B
FLOOR
DyNet RS-485
DyNet RS-485





Refer to product label for Earth bar and Neutral bar wire gauge and torque ratings

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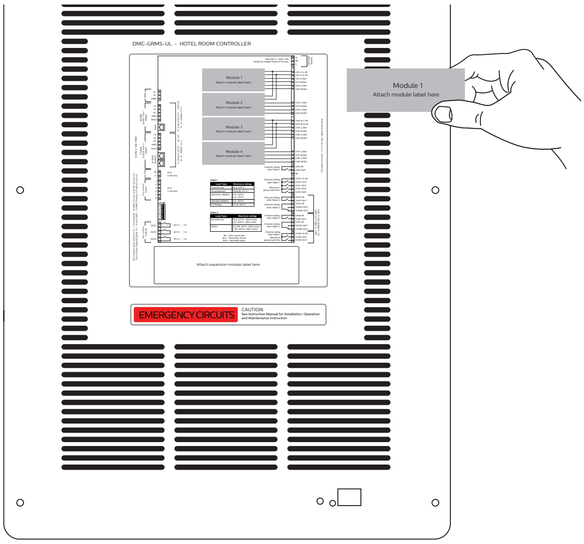
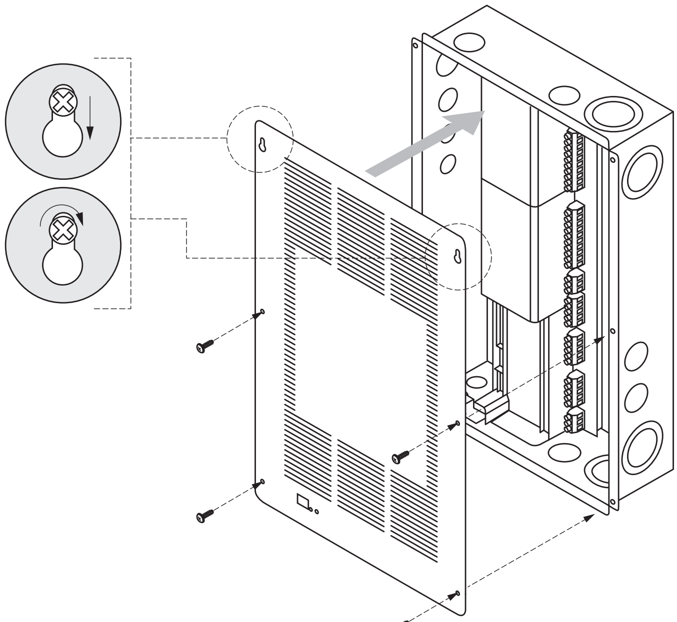


26



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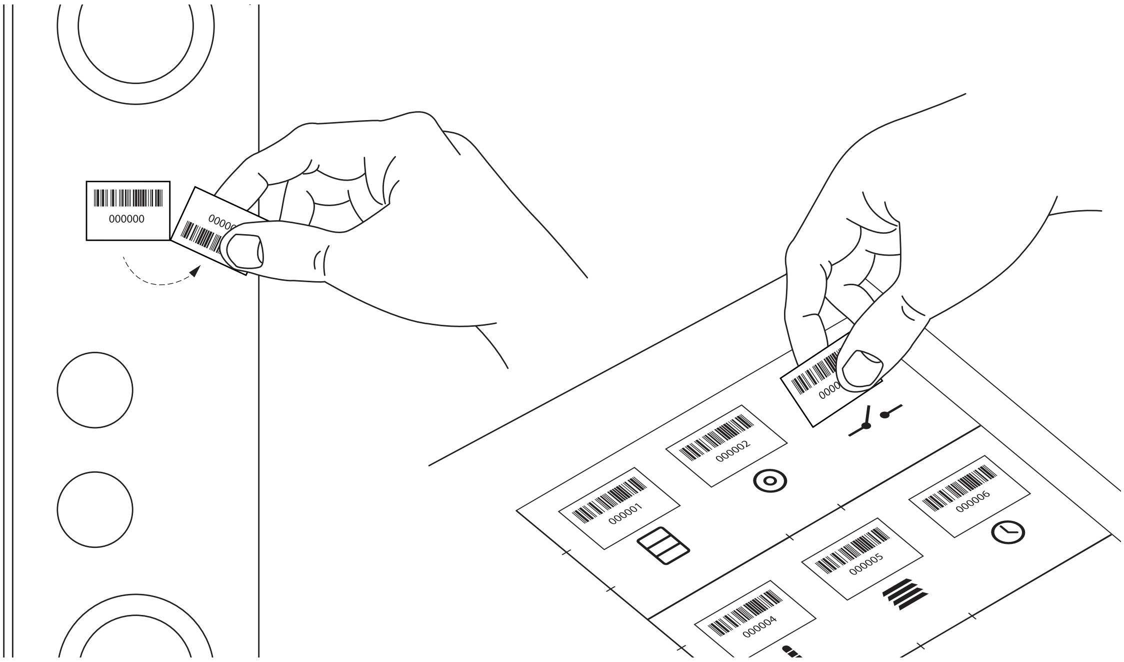

⚠ The manufacturer is not responsible for dimmable lamp selection. Each lamp/dimmer combination must be tested for compatibility prior to installation.

Federal Communications Commission (FCC) Compliance Notice: Radio Frequency Notice – This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. Any modifications not approved by the manufacturer of this device could void the user's authority to operate this device.

Installation of a home and building automation and control system shall comply with HD 60364-4-41. The temperature limits and current-carrying capacities for the communication wires specified in HD 384.5.523 shall not be exceeded.

This Class B digital apparatus complies with Canadian ICES-003: CAN ICES-3(B)/NMB-3(B). Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada: CAN ICES-3(B)/NMB-3(B).

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