PHILIPS GRMS-E Multi Protocol Switching Room Controller Instruction Manual

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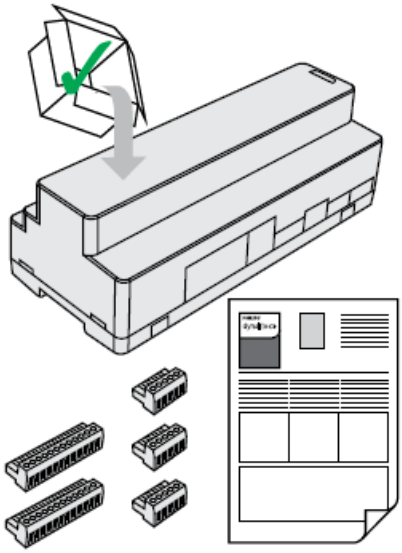
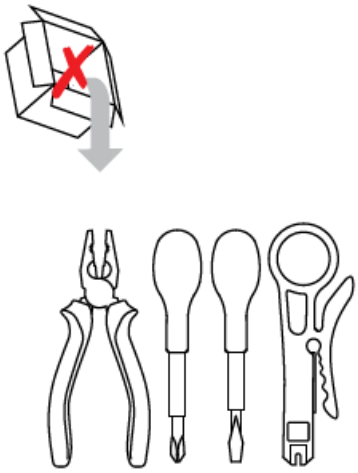
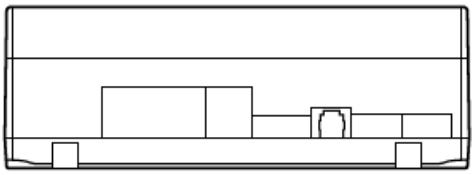
PHILIPS GRMS-E Multi Protocol Switching Room Controller

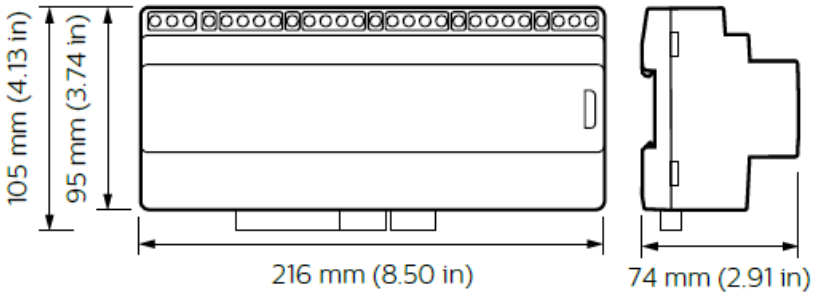
INSTRUUCTION MANUA

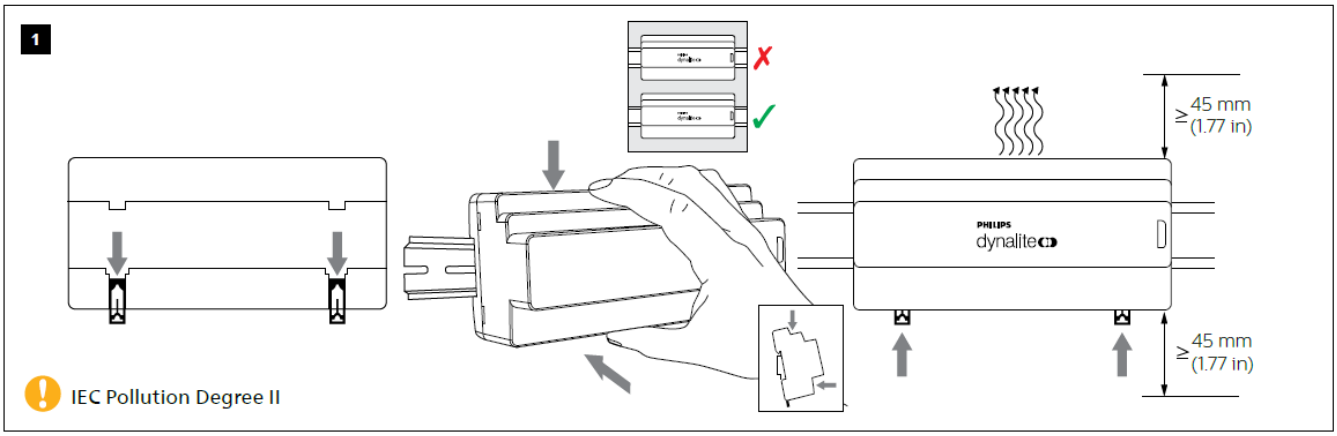
Devices must be installed in an approved enclosure by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.





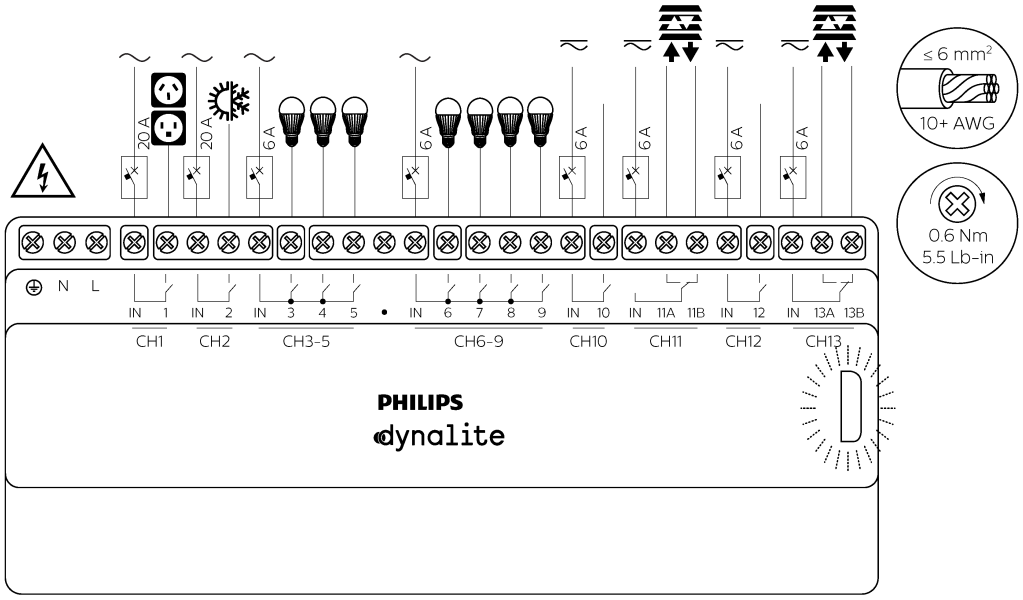



105 mm (4.13 in)
95 mm (3.74 in)
216 mm (8.50 in)
74 mm (2.91 in)


1
≥ 45 mm (1.77 in)
≥ 45 mm (1.77 in)
PHILIPS
dynalite
IEC Pollution Degree II


50° C (138° F)
0° C (32° F)
≤90%

2



Output Ratings/Channel (CH)

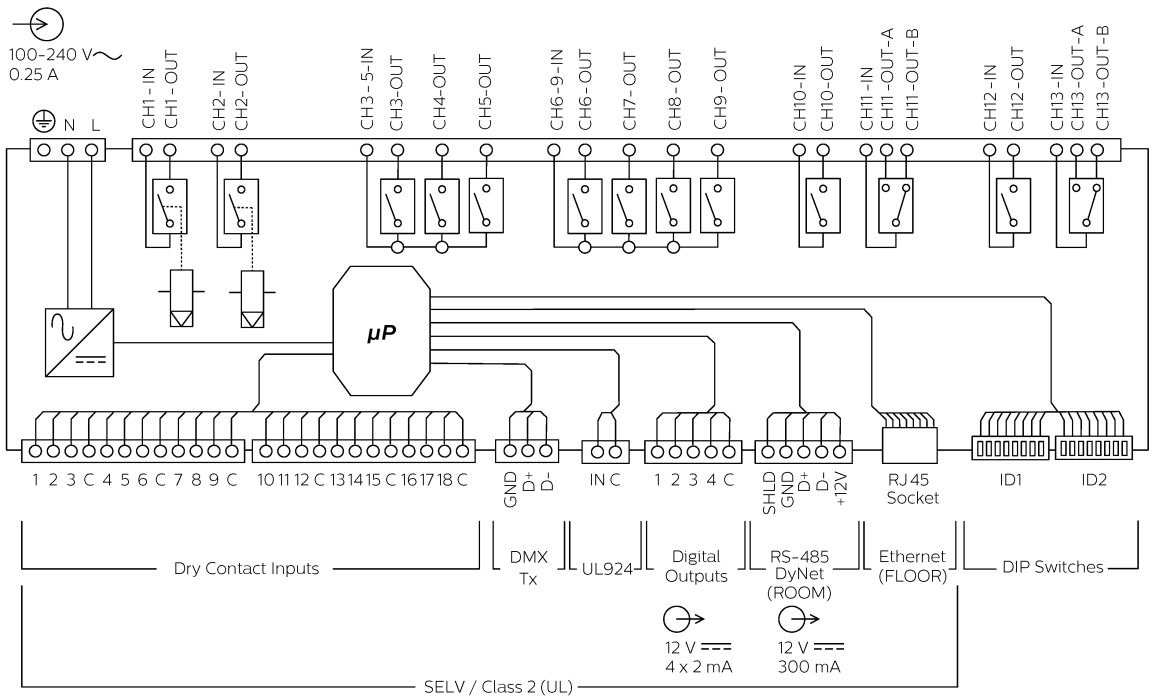
Load Type	CH1, CH2	CH3 - CH9	CH10, CH12	CH11A, CH13A	CH11B, CH13B
General Use	20 A, 240 V ~	4 A, 240 V ~	6 A, 240 V ~	6 A, 240 V ~	6 A, 240 V ~
Resistive	20 A, 240 V ~	4 A, 240 V ~	6 A, 240 V ~ 1 A, 24 V ⎓	6 A, 240 V ~ 1 A, 24 V ⎓	6 A, 240 V ~ 1 A, 24 V ⎓
Incandescent	15 A, 120 V ~ 6 A, 240 V ~	4 A, 240 V ~	4 A, 240 V ~	4 A, 240 V ~	X
Electronic Driver	15 A, 120 V ~ 6 A, 240 V ~	2 A, 120 V ~ 0.8 A, 240 V ~	2 A, 120 V ~ 0.8 A, 240 V ~	2 A, 120 V ~ 0.8 A, 240 V ~	X
Motor	9.8 FLA (½ HP), 120 V ~ 8 FLA (1 HP), 240 V ~	X	5.2 FLA (⅕ HP), 120 V ~ 4.3 FLA (⅖ HP), 240 V ~	5.2 FLA (⅕ HP), 120 V ~ 4.3 FLA (⅖ HP), 240 V ~	X
TV Rating	TV-8, 240 V ~	TV-8, 120 V ~	TV-8, 120 V ~	TV-5, 240 V ~	X
Inrush Current	320 A	60 A	60 A	90 A	X

Output Ratings/Group

CH3 – CH5 ≤ 6A
CH6 – CH9 ≤ 6A
DDRC-GRMS-E ≤ 76 A

1 ~ ✓ 3 ~ ✗

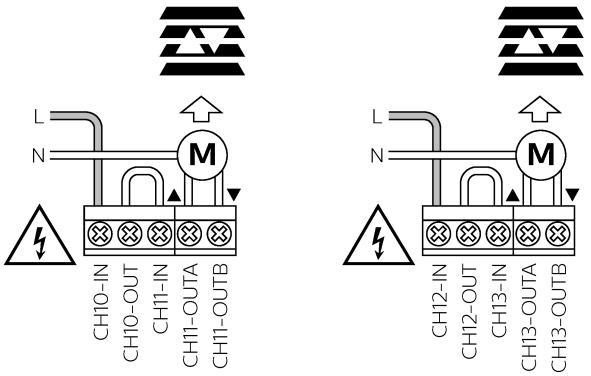
3



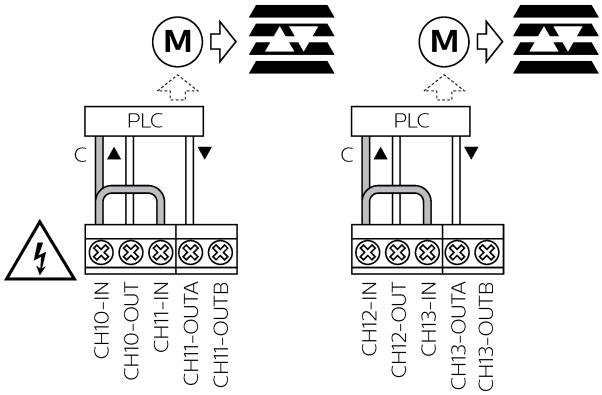
IEC Overvoltage Category III

Single Phase Only

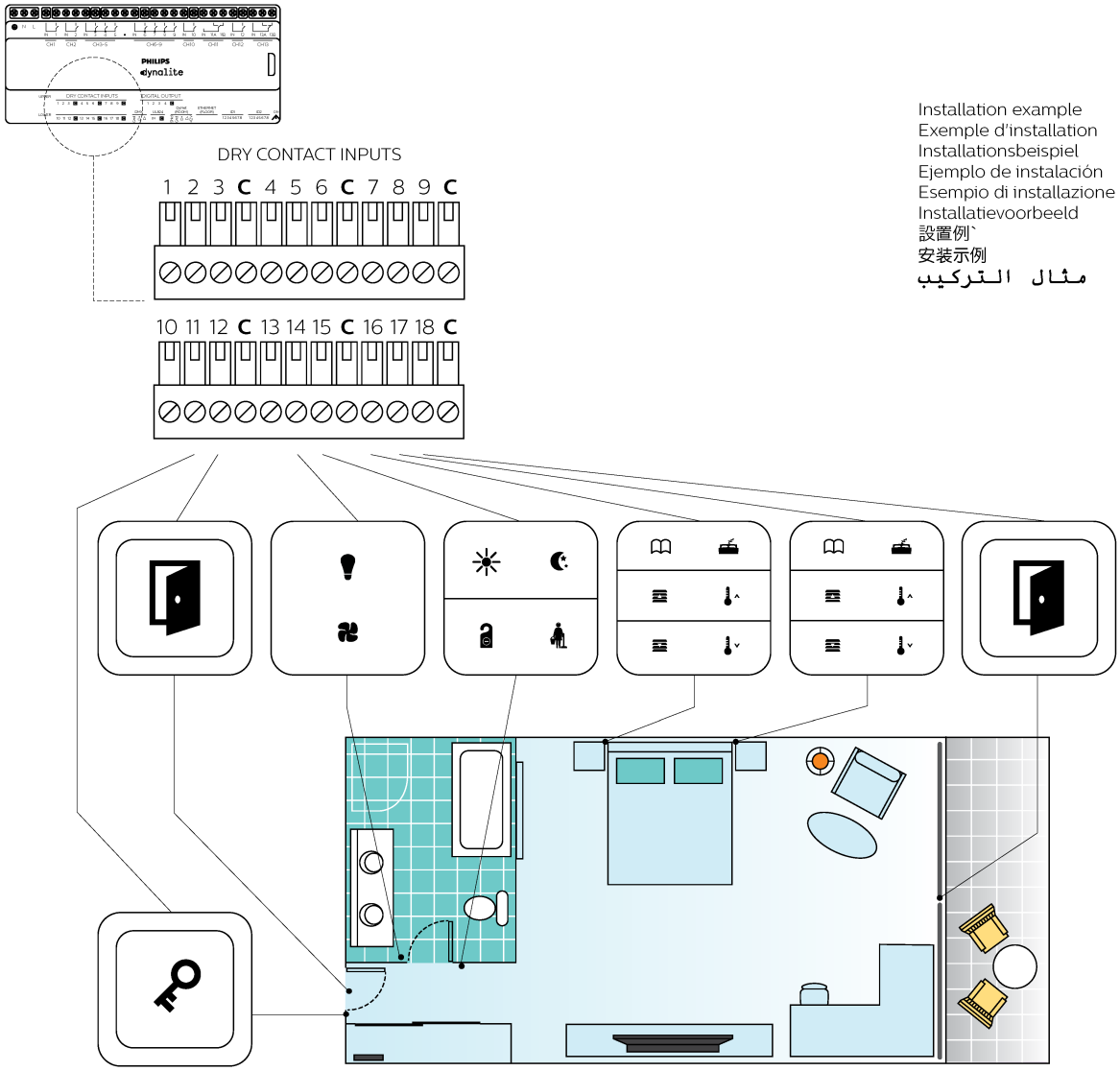
4 A



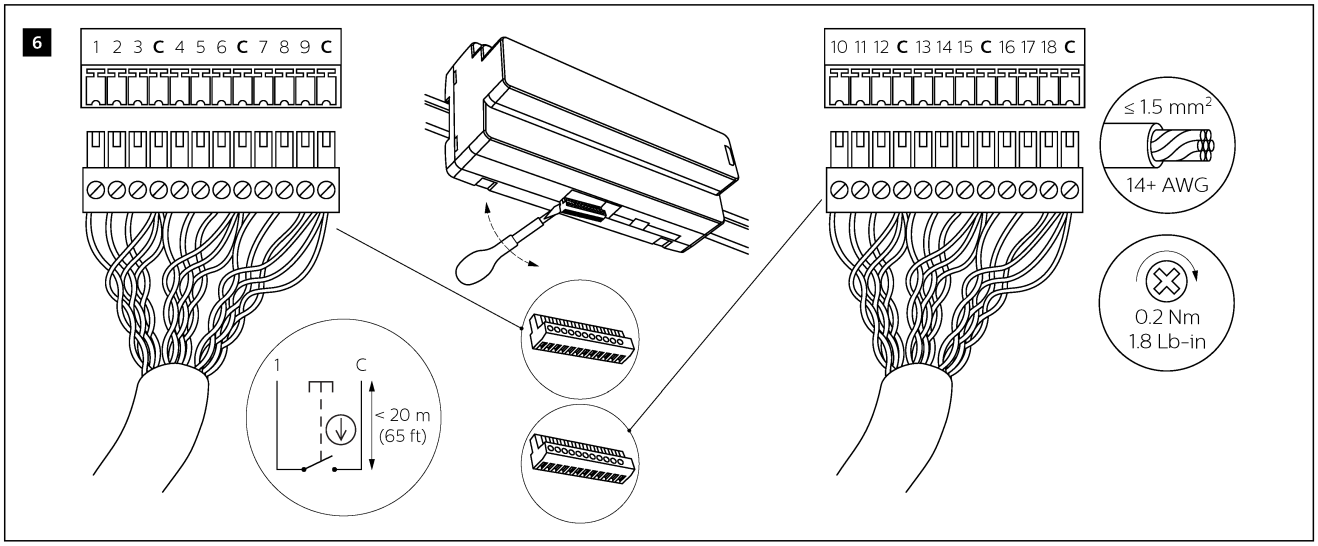
4 B

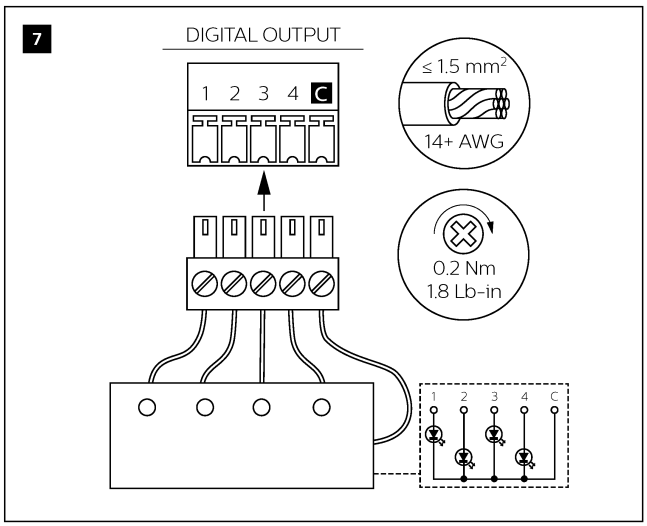


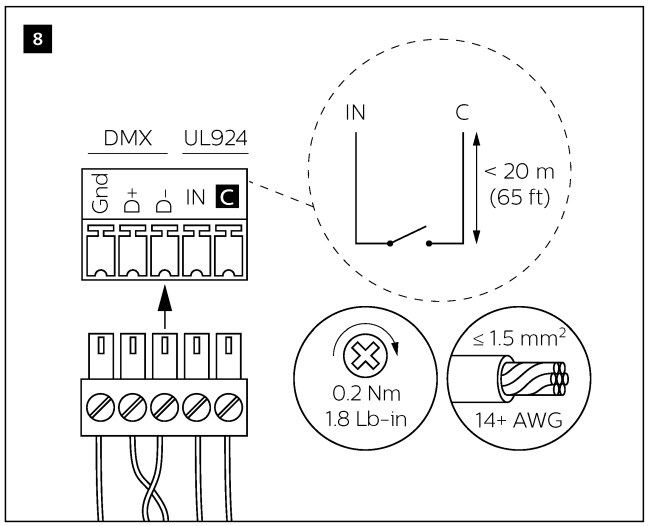
5

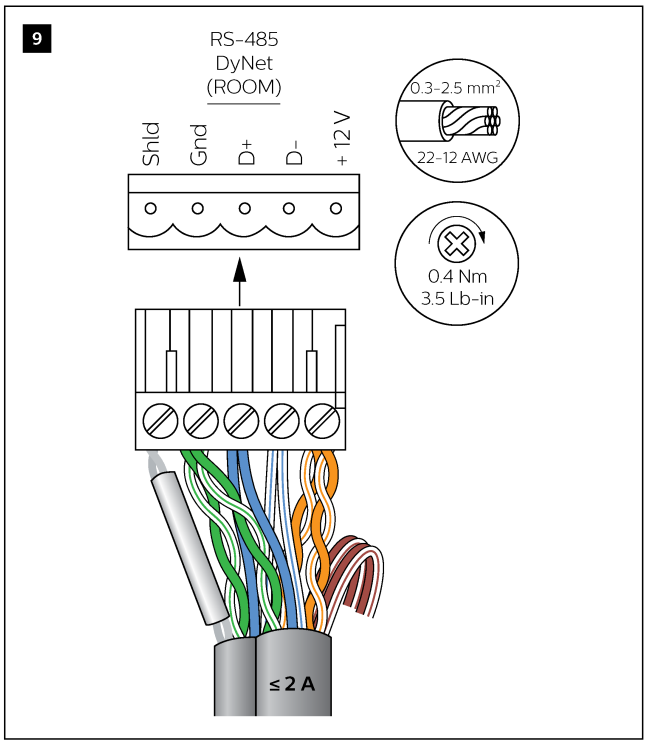


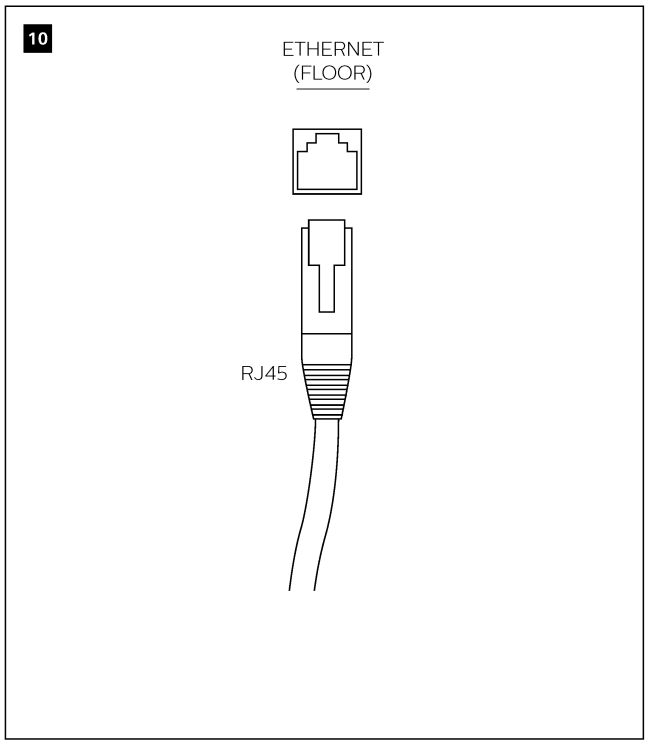
Installation example
Exemple d'installation
Installationsbeispiel
Ejemplo de instalación
Esempio di installazione
Installatievoorbeeld
設置例`
安装示例
مثال التركيب


6
1 2 3 C 4 5 6 C 7 8 9 C
10 11 12 C 13 14 15 C 16 17 18 C
≤ 1.5 mm²
14+ AWG
0.2 Nm
1.8 Lb-in
1
C
< 20 m
(65 ft)

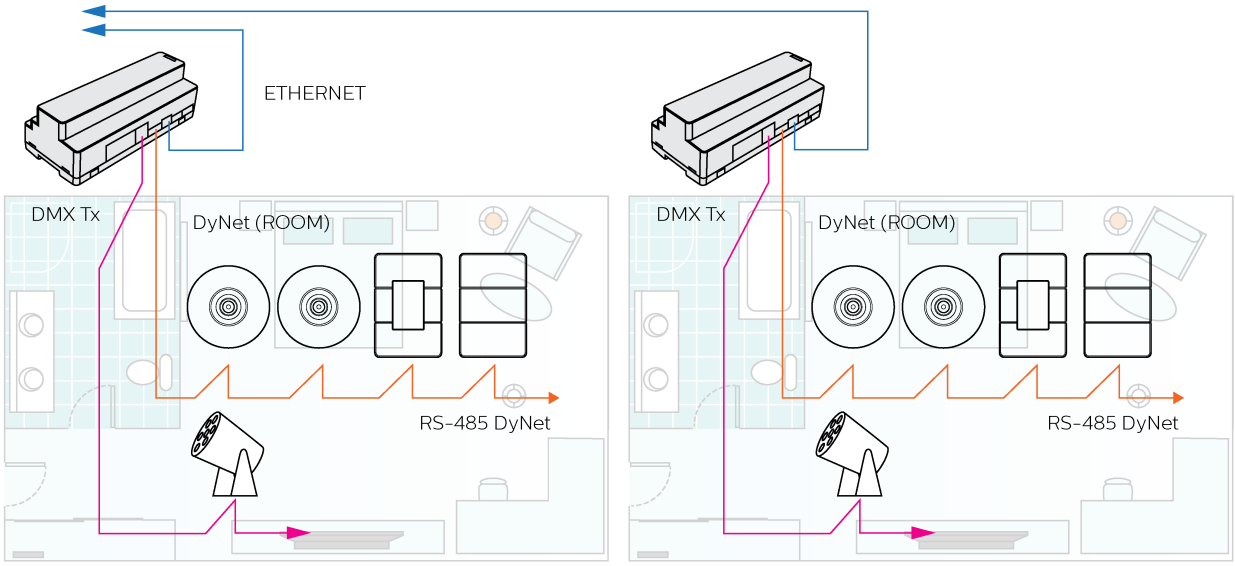

7
DIGITAL OUTPUT
1 2 3 4 C
≤ 1.5 mm²
14+ AWG
0.2 Nm
1.8 Lb-in
1 2 3 4 C


8
DMX
UL924
Gnd
D+
D-
IN
C
IN
C
< 20 m
(65 ft)
0.2 Nm
1.8 Lb-in
≤ 1.5 mm²
14+ AWG

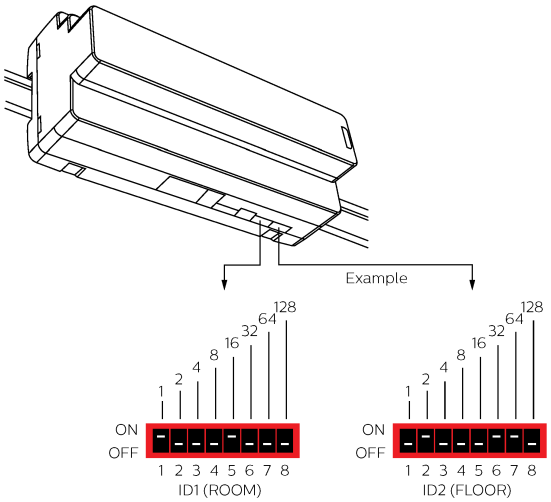

9
RS-485
DyNet
(ROOM)
Shld
Gnd
D+
D-
+ 12 V
0.3-2.5 mm²
22-12 AWG
0.4 Nm
3.5 Lb-in
≤ 2 A


10
ETHERNET
(FLOOR)
RJ45

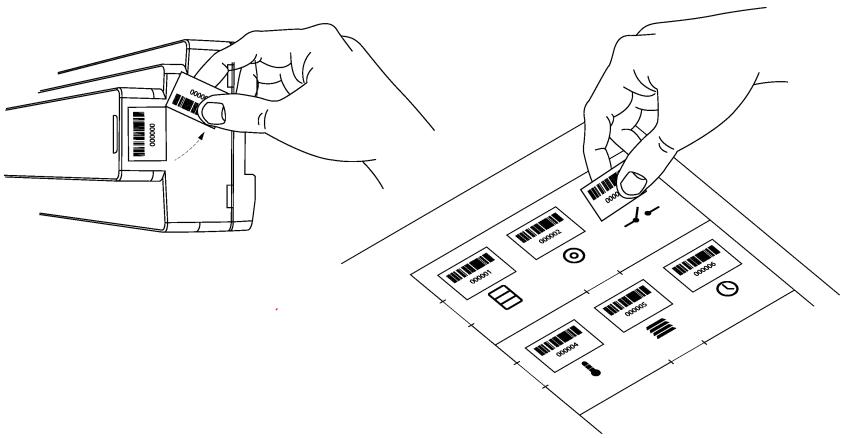
11



12



13



IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL

SAFETY INSTRUCTIONS

a) Do not use outdoors
b) Do not use this equipment for other than the intended use.

SAVE THESE INSTRUCTIONS

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.

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).

Installation of a home and building automation and control system shall comply with IEC 60364 (all parts). The temperature limits and current-carrying capacities for the communication wires specified in IEC 60364-5-52 shall not be exceeded.

www.dynalite.com

Specifications:

- Model: DDRC-GRMS-E
- Type: Multi-protocol Switching Room Controller
- Dimensions: 216 mm x 105 mm x 74 mm
- IEC Pollution Degree: II
- Input Voltage: 100-240 V
- Output Ratings/Channel (CH): Varies based on load type

Frequently Asked Questions (FAQ)

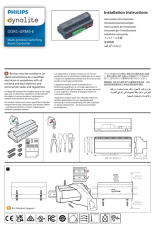
Q: Can I use this product with a different input voltage?

A: The input voltage range is specified as 100-240 V. Using a different input voltage may result in improper functioning or damage to the device. Stick to the recommended voltage range for optimal performance.

Q: How do I troubleshoot if a channel is not working?

A: Check the wiring connections, ensure the load type is compatible with the channel's output rating, and verify the settings of the DIP switches and IDs. If issues persist, consult the troubleshooting section of the manual or contact customer support for assistance.

Documents / Resources

	PHILIPS GRMS-E Multi Protocol Switching Room Controller [pdf] Instruction Manual GRMS-E Multi Protocol Switching Room Controller, GRMS-E, Multi Protocol Switching Room Controller, Switching Room Controller, Room Controller, Controller

References

- Philips Dynalite - Lighting Controls, Lighting Management
- User Manual