



# Philips DDRC420FR Dynalite Relay Controller Installation Guide

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DDRC420FR

## Relay Controller Installation Instructions

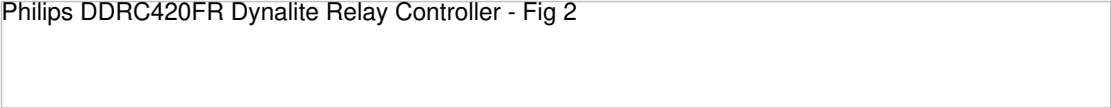
Philips DDRC420FR Dynalite Relay Controller



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.

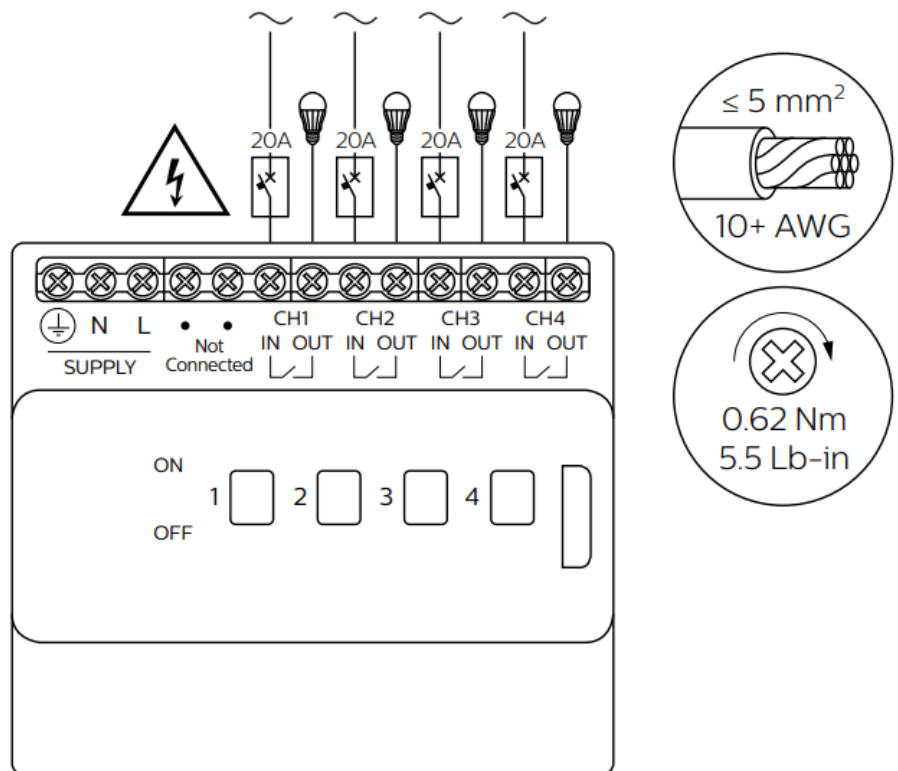
Philips DDRC420FR Dynalite Relay Controller - Fig





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**Installation example**



CH-CH  $\leq 300 \text{ V} \sim (\text{UL}) / 400 \text{ V} \sim (\text{CE})$

☐ 3~

Philips DDRC420FR Dynalite Relay Controller - Fig5

CH-CH = 277 / 480 V ☐

## Output Ratings

Load Type  
CH1-CH4

☐ General Use

6 A, 277 ~V (UL)  
20 A, 240 ~V (CE)

☐ Incandescent

☐ Standard Ballast

☐ Electronic Ballast

☒ Motor

16 A, 277 V~  
16 FLA (1 HP), 120 V~  
14.5 FLA (2 1 /2 HP), 240 V~  
14.1 FLA (3 HP), 277 V~

☐ Inrush Current

500 A

**Output Ratings/Group**

CH-CH ≤ 300 ~ V (UL) / 400 ~ V (CE)

DDRC420FR ≤ 64 A (UL), 80 A (CE)

Philips DDRC420FR Dynalite Relay Controller - Fig6



☐ **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 NMB003 du  
Canada: CAN ICES-3(B)/NMB-3(B).



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.

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[www.lighting.philips.com/dynalite](http://www.lighting.philips.com/dynalite)

## Documents / Resources

[Philips DDRC420FR Dynalite Relay Controller](#) [pdf] Installation Guide

DDRC420FR Dynalite Relay Controller, Dynalite Relay Controller, Relay Controller

[Manuals+](#),