



# COOPER Lighting Solutions RCQK-RC3DE-CONF Room Controller QuickKit Owner's Manual

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**COOPER Lighting Solutions RCQK-RC3DE-CONF Room Controller QuickKit**



## Product Information

The Room Controller QuickKit is a versatile all-in-one package solution designed to provide complete control over various aspects of a room. It includes a range of components such as room controllers, dimming switches, occupancy sensors, and more. The QuickKit is available in different configurations to suit different needs, including options that comply with the Buy American Act (BAA) requirements.

## Top Product Features

- All-in-one package solution
- Multiple configuration options
- Compliant with Buy American Act (BAA) requirements (select configurations)
- Includes room controllers, dimming switches, occupancy sensors, and more
- User-friendly interactive menu
- Product certification
- Dimensional details and additional product diagrams available
- Five-year standard warranty

## Product Specifications

- Mechanical Size: 14" W x 8 1/2" H x 11" D (355.6mm x 215.9mm x 279.4mm)
- Electrical Input Requirements: Standard 2mA each
- Emergency Output (RC3DE/RC3DEHC only): UL 924

## Order Information

To order a Room Controller QuickKit, refer to the catalog number associated with your desired configuration. The included components vary depending on the chosen configuration.

## Catalog Number: RCQK-RC3DE-CONF

Included Components:

- Room controller – Dimming, emergency relay, plenum rated
- 20A receptacle switchpack
- Daylight sensor/infrared receiver
- Corner/Wall mounted dual tech occupancy sensor
- Input/Output device
- Quick connect cables (10 ft., 6 inch, and 25 ft. plenum rated)
- 6 button Preset Wall station
- 6 button 3-zone dimming wall station
- Handheld personal remote

**Note:** This is just one example configuration. Refer to the Room Controller page on our website for more information on other available configurations.

Please note that some configurations are built to be compliant with the Buy American Act of 1933 (BAA). Refer to the DOMESTIC PREFERENCES website for more information.

## **Greengate**

### Room Controller QuickKit

The Room Controller QuickKits provide a complete, all-in-one package solution

## **Typical Applications**

Office • Education • Healthcare • Hospitality

## **Interactive Menu**

- Order Information page 2
- Additional Resources page 3
- Wiring Diagrams page 4
- Product Warranty

Product Certification

Product Features

## **Top Product Features**

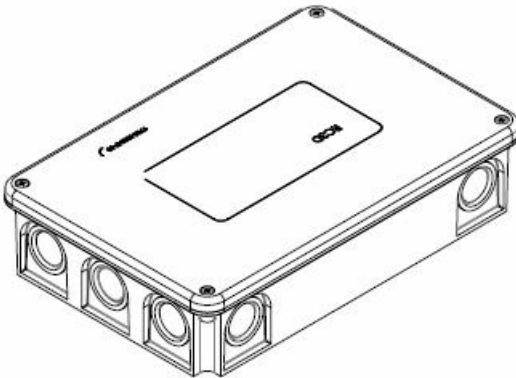
- Easy to order, QuickKits are designed and packaged for immediate in-room installation.
- The Room Controller includes three relays and up to three 0-10 VDC dimming outputs to control compatible dimmable ballasts. The switching relays and 0-10 VDC outputs are controlled separately, allowing flexibility in wiring and control.

The Room Controller is shipped preconfigured to work out-of-the-box when connected to Room Controller devices, allowing quick and easy daylighting controls, occupancy/vacancy sensing and manual switching.

- Packages for Conference Rooms, Offices, Classrooms, and Healthcare
- Click & Go ready, RJ45 connections
- Preconfigured for automatic functionality upon power-up

- Manual or Automatic On, bi-level, tri-level and dimming control strategies
- Integral Demand Response input with four levels of preconfigured energy reduction
- Built in tubular lighting control with preconfigured wallstation controls
- Integral pillow speaker connections for GPCS (RC3DEHC)
- Integral Solatube® connection for classrooms
- Guaranteed compatibility with Cooper Lighting Solutions LED and 0-10V fluorescent fixtures
- Ladderless UL 924 Emergency Mode testing (RC3DE & RC3DEHC)
- Options to meet Buy American Act requirements

## Dimensional Details



## Room Controller QuickKit

### Order Information

Catalog Number

	Catalog Number	Included Components	Description
	RCQK-RC3DE-CONF	RC3DE-PL (QTY1)	Room controller – Dimming, emergency relay, plenum rated
		SPRC-R-20-120 (QTY1)	20A receptacle switchpack
		DSRC-FMOIR (QTY1)	Daylight sensor/infrared receiver
		OAWC-DT-120W (QTY1)	Corner/Wall mounted dual tech occupancy sensor
		OCC-RJ45 (QTY1)	Input/Output device
		GGRJ45-10P-G (QTY1)	Quickconnect cable 10 ft. plenum rated
		GGRJ45-006-G (QTY1)	Quickconnect cable 6 inch
		GGRJ45-25P-G (QTY3)	Quickconnect cable 25 ft. plenum rated
		RC-6TSB-P2 (QTY1)	6 button Preset Wallstation
		RC-6TSB-ZAD (QTY1)	6 button 3-zone dimming wallstation
		HHPR-RC (QTY1)	Handheld personal remote

<p><b>[Blank]</b> =Standard</p> <p><b>BAA</b> = Buy American Act</p>	<b>RCQK-RC3D-OFFICE</b>	RC3D-PL (QTY1)	Room controller – Dimming, plenum rated
		SPRC-R-20-120 (QTY1)	20A receptacle switchpack
		OAC-DT-2000-R (QTY1)	Ceiling mounted dual tech occupancy sensor
		DSRC-FMOIR (QTY1)	Daylight sensor/infrared receiver
		OCC-RJ45 (QTY1)	Input/Output device
		GGRJ45-10P-G (QTY1)	Quickconnect cable 10 ft. plenum rated
		GGRJ45-25P-G (QTY3)	Quickconnect cable 25 ft. plenum rated
		RC-5TSB-OS2 (QTY1)	5 button Preset Wallstation
	<b>RCQK-RC3DE-CLASS</b>	RC3DE-PL (QTY1)	Room controller – Dimming, emergency relay, plenum rated
		SPRC-R-20-120 (QTY1)	20A receptacle switchpack
		DSRC-FMOIR (QTY1)	Daylight sensor/infrared receiver
		OAC-DT-2000 (QTY1)	Ceiling mounted dual tech occupancy sensor
		OCC-RJ45 (QTY1)	Input/Output device
		GGRJ45-10P-G (QTY1)	Quickconnect cable 10 ft. plenum rated
		GGRJ45-25P-G (QTY4)	Quickconnect cable 25 ft. plenum rated
		RC-4TSB-TS5 (QTY1)	4 button Preset Wallstation
		RC-6TSB-TS4 (QTY1)	6 button Preset Wallstation
	<b>RCQK-RC3DEHC</b>	RC3DEHC-PL (QTY1)	Room controller – Dimming, emergency relay, healthcare, plenum rated
		OCC-RJ45 (QTY1)	Input/Output device
		DSRC-FMOIR (QTY1)	Daylight sensor/infrared receiver
		GGRJ45-25P-G (QTY4)	Quickconnect cable 25 ft. plenum rated
		GG37P (QTY1)	37 pin receptacle
		GPCS-3Z-DIM (QTY1)	Patient control station 3 zone raise/lower
		RC-6TSB-HC2 (QTY1)	6 button Preset Wallstation
		RC-4TSB-HC1 (QTY1)	4 button Preset Wallstation

#### Note

(1) Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Please refer to the Room Controller page on our website for more information.

## Product Specifications

## Key Features

- The Room Controller QuickKits provide a complete, all-in-one package solution. Easy to order, QuickKits are designed and packaged for immediate in-room installation.
- The Room Controller includes three relays and up to three 0-10 VDC dimming outputs to control compatible dimmable ballasts. The switching relays and 0-10 VDC outputs are controlled separately, allowing flexibility in wiring and control. The Room
- Controller is shipped preconfigured to work out-of-the-box when connected to Room Controller devices, allowing quick and easy daylighting controls, occupancy/vacancy sensing and manual switching.
- Packages for Conference Rooms, Offices, Classrooms, and Healthcare
- Click & Go ready, RJ45 connections
- Preconfigured for automatic functionality upon power-up
- Manual or Automatic On, bi-level, tri-level and dimming control strategies
- Integral Demand Response input with four levels of preconfigured energy reduction
- Built in tubular lighting control with preconfigured wallstation controls
- Integral pillow speaker connections for GPCS (RC3DEHC)
- Integral Solatube® connection for classrooms
- Guaranteed compatibility with Cooper Lighting Solutions LED and 0-10V fluorescent fixtures
- Ladderless UL 924 Emergency Mode testing (RC3DE & RC3DEHC)

## Mechanical

Size: 14" W x 8 1/2" H x 11" D (355.6mm x 215.9mm x 279.4mm) Environment:

- Operating temperature: 32°F to 104°F (0°C to 40°C)
- For indoor use only

## Electrical

### Input Requirements:

- 120-277 VAC 60Hz
- Maximum 20A combined load per Room Controller
  - **Ballast load:** 20A @ 120/277 VAC (LED)
  - **Incandescent load:** 15A @ 120 VAC
  - **Motor load:** 1HP @ 120 VAC
  - **LED Drivers:** Requires isolated LED drivers for optimal performance LED, Ballast or Incandescent Load: 3A
  - **Emergency Output (RC3DE/RC3DEHC only):** UL 924
  - Class 2 Dimming Output:
- 0-10 VDC, sinks up to 100mA per (40 µA max per circuit leakage to line)
- Each 0-10V output supports up to 50 ballasts/drivers that draw the standard 2mA each
- Emergency Output (RC3DE/RC3DEHC only): UL 924

## Standards/Ratings

- UL Approved
- UL 508 Listed
- UL 924 Listed
- cULus Listed

## **Warranty**

Five year warranty standard

## **Overview**

The Room Controller QuickKits provide a complete, all-in-one package solution. Easy to order, QuickKits are designed and packaged for immediate in-room installation.

The Room Controller includes three relays and up to three 0-10 VDC dimming outputs to control compatible dimmable ballasts. The switching relays and 0-10 VDC outputs are controlled separately, allowing flexibility in wiring and control. The Room Controller is shipped preconfigured to work out-of-the-box when connected to Room Controller devices, allowing quick and easy daylighting controls, occupancy/vacancy sensing and manual switching.

## **Operation**

The Room Controllers are connected to a 120 VAC or 277 VAC 20 Amp circuit to provide unit power and input power to the individual relays. The wallstations, occupancy/vacancy sensors, daylight sensors and receptacle control devices connect via QuickConnect cables providing a Class 2 connection. Upon power up the pre-engraved wallstation automatically controls the On/Off relays and/or adjust the dimming outputs. The daylight sensor will immediately adjust the lighting levels based on natural light.

## **Installation**

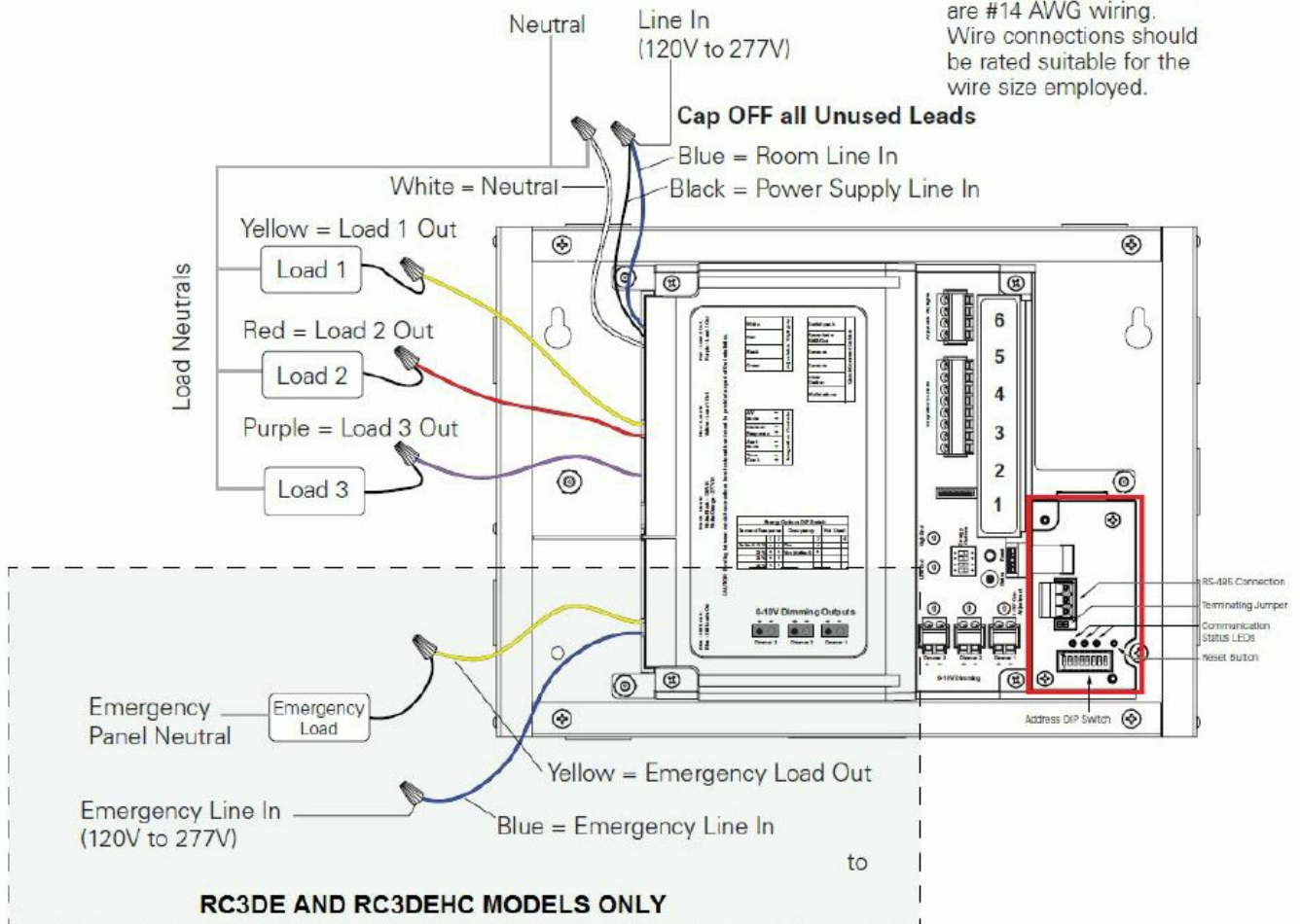
The line voltage section of the Room Controller provides the installing contractor space to make all line voltage connections and direct conduit access, reducing the need for additional junction boxes, while providing easy access to line voltage circuits. Low voltage devices are connected using Cat5 cables (See page 4 for included cables).

UL 924 relay is provided on some units for automatic emergency lighting control. The UL 924 relay automatically tracks with output 1 and can be connected to any of the three 0-10V dimmers. The UL 924 relay automatically closes and disconnects the 0-10V control upon loss of normal power providing adequate egress lighting control. Ladderless maintenance testing of the UL 924 relay can be achieved by pressing the ALL OFF button four times.

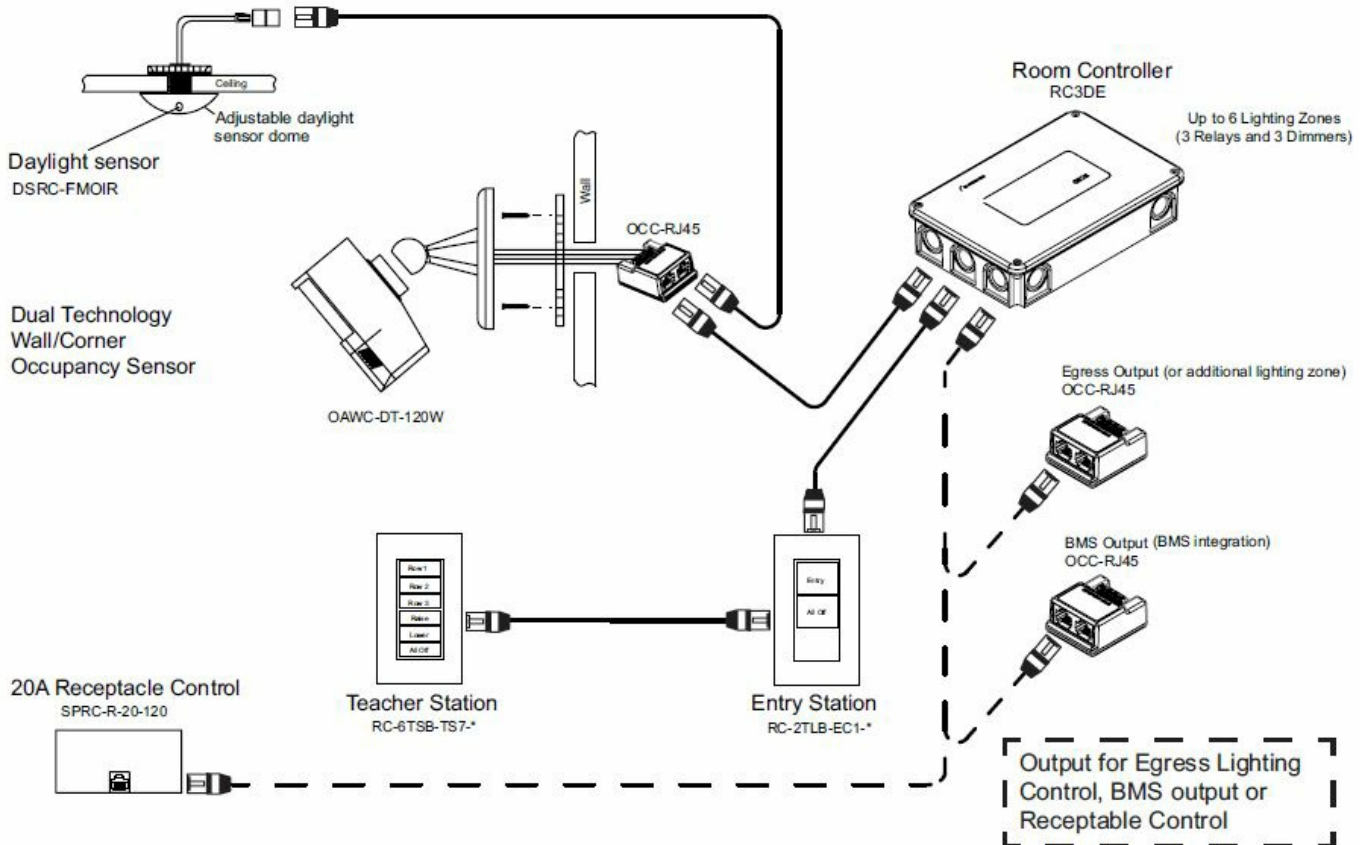
## **Wiring Diagrams**

## ALL MODELS

**Note:** All provided wiring leads are #14 AWG wiring. Wire connections should be rated suitable for the wire size employed.



## Room Connections







## Cooper Lighting Solutions

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[www.cooperlighting.com](http://www.cooperlighting.com)

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Specifications and dimensions subject to change without notice.

## Documents / Resources

	<p><a href="#">COOPER Lighting Solutions RCQK-RC3DE-CONF Room Controller QuickKit</a> [pdf] Owner's Manual</p> <p>RCQK-RC3DE-CONF Room Controller QuickKit, RCQK-RC3DE-CONF, Room Controller QuickKit, Controller QuickKit, QuickKit</p>
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## References

- [Room Controller](#) | [Cooper Lighting Solutions](#) | [Cooper Lighting Solutions](#)
- [Domestic Preferences](#) | [Buy American \(BAA\)](#) | [Trade Agreement Act \(TAA\)](#) | [Cooper Lighting Solutions](#)

[Manuals+](#).