

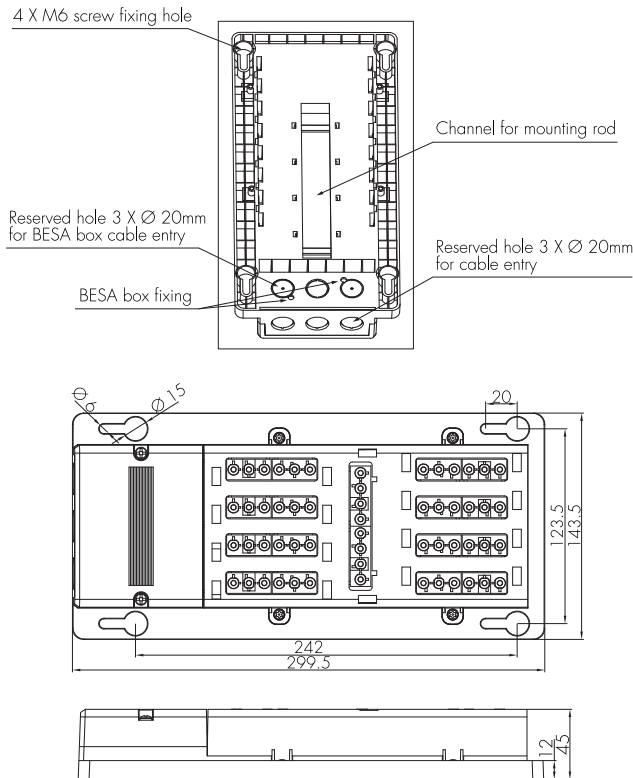
1 Safety Information



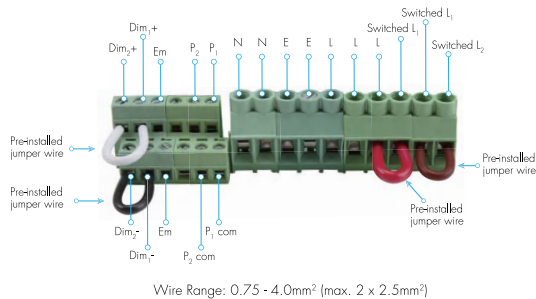
WARNING

- Installation by a qualified electrician only and in accordance with local electrical regulations.
- Disconnect mains power before installation, wiring, maintenance or replacement.
- Failure to follow the wiring diagram may result in product damage and malfunction.
- Refer to the Wire Preparation section for recommended wire diameter and strip length.
- Push inputs are mains-voltage inputs and must only be connected to mains-rated switches.
- A local lighting switch may still be used when there is a central emergency test switch.
- By removing different jumper wires, users can achieve different dimming/switching control.
- Do not wire across phases.

3 Technical Drawing (Unit: mm)

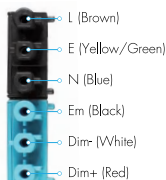


5 Wire Preparation

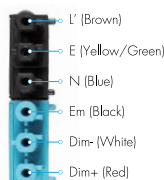


Luminaire outlet

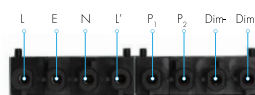
When using DALI dimming



When using on/off switching or 0/1-10V dimming



Sensor outlet

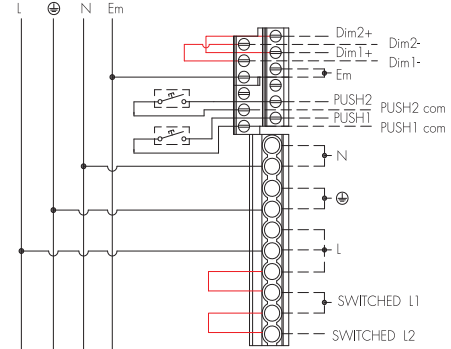


2 Specifications

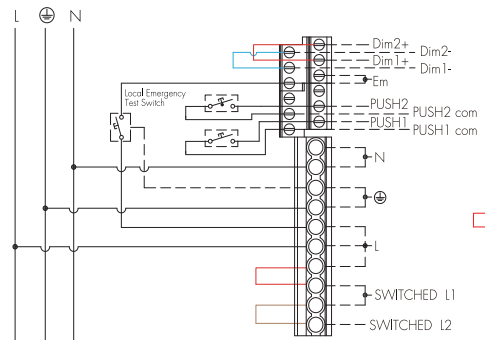
Mains voltage	220-240VAC 50/60Hz
Rated load	Rating of system 16A. Rating of each output 10A.
Storage temperature	-20°C ~ +60°C
Max. relative humidity	20% ~ 90%
Operation temperature	Ta: -20°C ~ +60°C
Insulation	Class II

4 Wiring Diagram

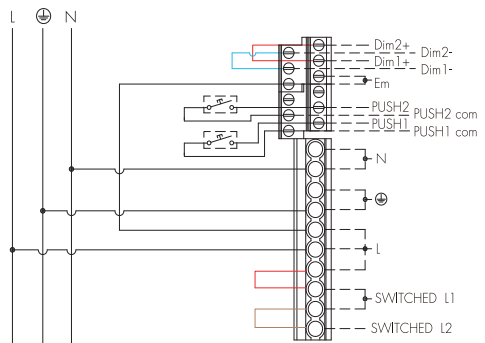
Factory default setting with four pre-installed jumper wires One-channel (1x8) DALI dimming control



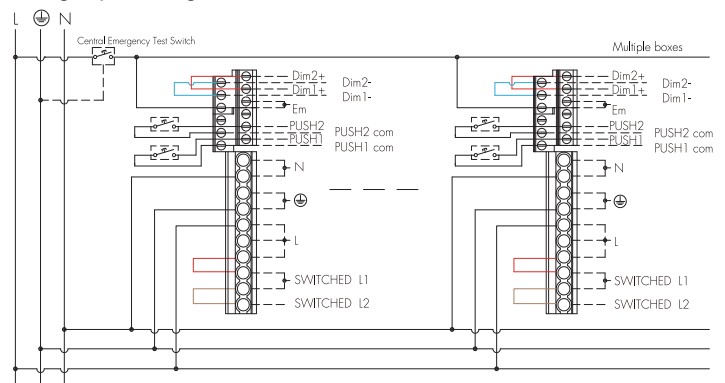
Local lighting switch and local emergency test switch



Using Local lighting switch for power interruption



Emergency test using central switch



6 Installation Process

This product supports a variety of installation methods and can be flexibly selected according to the on-site environment.

- 1** Surface Mount: Can be fixed onto walls or ceilings using 4 x M6 screws.



- 2** Marco Tray Mount: Can be used with Marco clips on steel wire cable tray systems.



- 3** Channel Nut Mount: Can be fastened to the back using channel nuts.



- 4** Mounting Rods: Can be fixed with mounting rods.



- 5** BESA / Junction Box Connection: Can be connected to a BESA or junction box.

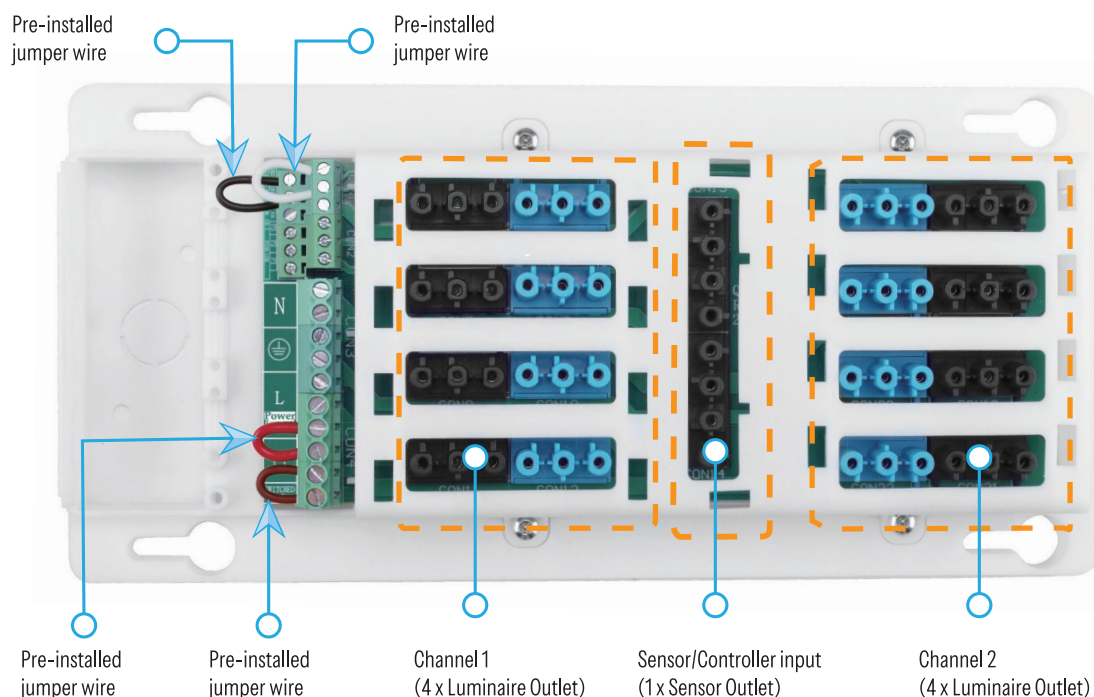


7 Channel Configuration & Control Mode

Factory default for QCB03 comes with four pre-installed jumper wires. The brown wire short-connects Switched L1 and Switched L2 together, the red jumper wire short-connects Switched L and L, the black jumper wire short-connects Dim1- and Dim2-, and the white jumper wire short-connects Dim1+ and Dim2+. With these jumper wires, user can freely choose different dimming control method and also freely switch between one-channel and two-channel control.

- one-channel (1 x 8) DALI dimming -- -- -- keep all four jumper wires.
- two-channel (2 x 4) dual DALI dimming -- -- -- keep red wire & brown wire, remove black wire & white wire.
In this case the two channels will be controlled separately (channel 1 is controlled by Dim1+ & Dim1-, and channel 2 is controlled by Dim2- & Dim2+).
- one-channel (1 x 8) 0/1-10V dimming -- -- -- remove red wire, keep brown wire & black wire & white wire.
- two-channel (2 x 4) dual 0/1-10V dimming -- -- -- remove all four jumper wires.
In this case the two channels will be controlled separately (channel 1 is controlled by Switched L1, Dim1+ & Dim1-, and channel 2 is controlled by Switched L2, Dim2- & Dim2+).
- two-channel (2 x 4) DALI dimming + on/off switching -- -- -- keep red wire, remove brown wire & black wire & white wire.
In this case the two channels will be controlled separately (channel 1 is controlled by Dim1+ & Dim1-, and channel 2 is controlled by Switched L2).
- two-channel (2 x 4) 0/1-10V dimming + on/off switching -- -- -- remove all four jumper wires.
In this case the two channels will be controlled separately (channel 1 is controlled by Dim1+ & Dim1-, and channel 2 is controlled by Switched L2).

This flexible design aims to reduce model inventories for users, and just one box is capable enough to handle different dimming requirements on the project site. Easy for management, and powerful for usage!



For additional important documents, including installation precautions, product guidelines, and guarantee conditions, visit: <https://hytronik.com/service/downloads>