LPCHTKQCB1-01

luceco LIGHTING

HYTRONIK ®

CE emc (S) Intertek ⚠ **CB** IP20

* White color housing by default. Black color housing can be supplied upon request.
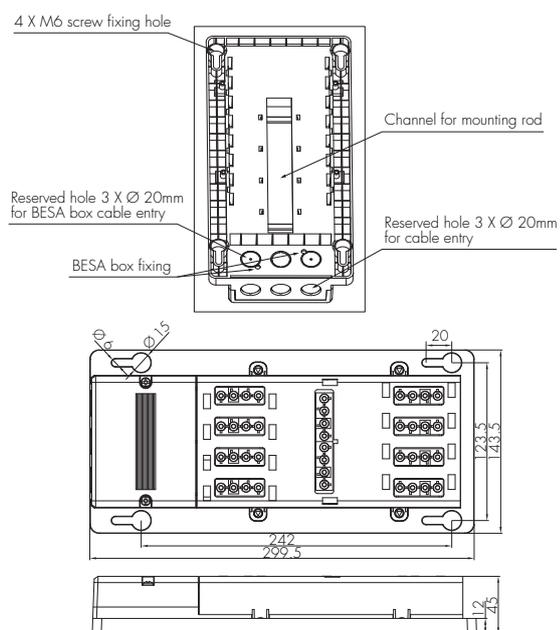
Key Features

- Non-dimmable control applications
- 8 luminaire outlets + 1 extra sensor outlet for sensor connection
- Luminaire outlet: GST type 4-pole terminal base (L', N, E, Em)
- Sensor outlet: GST type 8-pole terminal base (L, N, E, L1', L2', P1, P2)
- Black housing and white housing available to choose from
- Freely switch between 1-channel (1 x 8) & 2-channel (2 x 4) control
- Tamper-proof structure design
- Rating of system: Max 16A. Rating of each output: Max 10A
- Flame-retardant material for safety protection

Your Benefits

- Five types of installation methods meets different project needs
- Reduce labour hours and labour cost significantly
- Simple and intuitive wiring connections
- Improved safety level during wiring operations
- Clear and clean wiring makes it easy for future maintenance
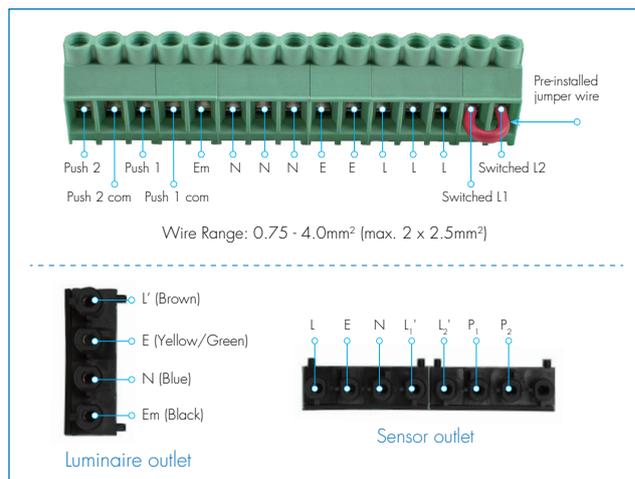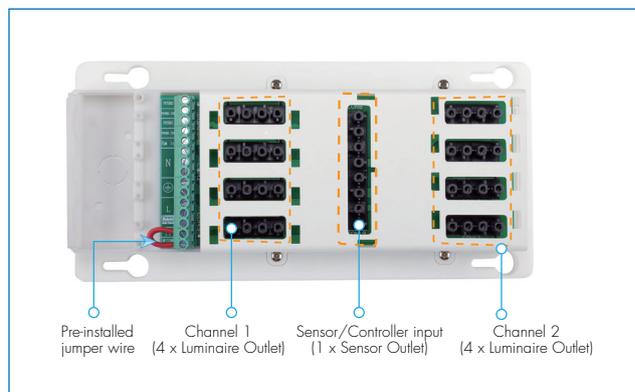- Can be supplied with pre-wired cables

Ordering data

Model name:	LPCHTKQCB1-01
Description:	GST type 4-pole terminal base quick connection box for non-dimmable control applications, with 8 luminaire outlets and 1 sensor outlet. Freely switch between 1-channel and 2-channel control. Rating of system 16A, rating of each output 10A.

Input & Output Terminal Function

Pre-installed jumper wire

Push 2   Push 1   Em   N   N   N   E   E   L   L   L   Switched L2
Push 2 com   Push 1 com   Switched L1

Wire Range: 0.75 - 4.0mm² (max. 2 x 2.5mm²)

L' (Brown)
E (Yellow/Green)
N (Blue)
Em (Black)

Luminaire outlet

L   E   N   L1'   L2'   P1   P2

Sensor outlet

Factory default for LPCHTKQCB1-01 comes with a pre-installed jumper wire, which short-connects Switched L1 and Switched L2 together. With this jumper wire, all the 8 luminaire outlet are considered as in a same channel (1 x 8) that are controlled together by the sensor/controller.

Pre-installed jumper wire

Channel 1 (4 x Luminaire Outlet)

Sensor/Controller input (1 x Sensor Outlet)
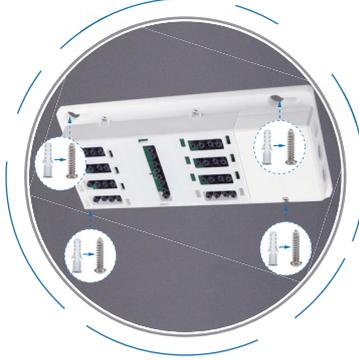
Channel 2 (4 x Luminaire Outlet)

By removing this pre-installed jumper wire, the 8 outlets are then divided into two separate channels. This LPCHTKQCB1-01 becomes a 2-channel box with 2 x 4 luminaire outlet. The two channels will be controlled separately (Channel 1 is controlled by Switched L1, and Channel 2 is controlled by Switched L2).

Dimensions (mm)

4 X M6 screw fixing hole

Channel for mounting rod

Reserved hole 3 X Ø 20mm for BESA box cable entry

Reserved hole 3 X Ø 20mm for cable entry

BESA box fixing

20
23.5
43.5
242
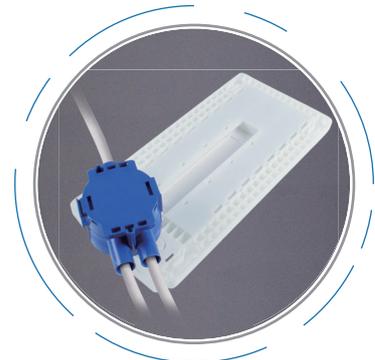299.5
45

Installation methods

Surface Mount ▼

It can work with 4 x M6 screws to fix onto both walls and ceilings.
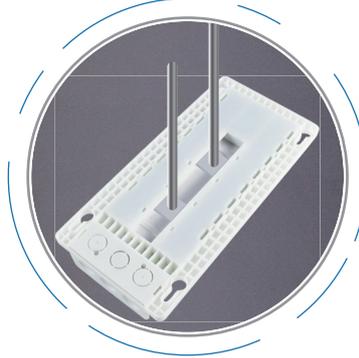
BESA/Junction Box Connection ▼

It can be connected with BESA/junction box.

Channel Nut Mount ▼

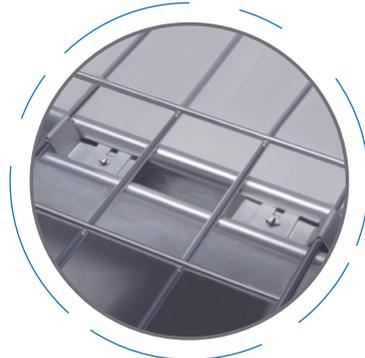It can work with channel nuts to fasten into the back.

Mounting Rods ▼
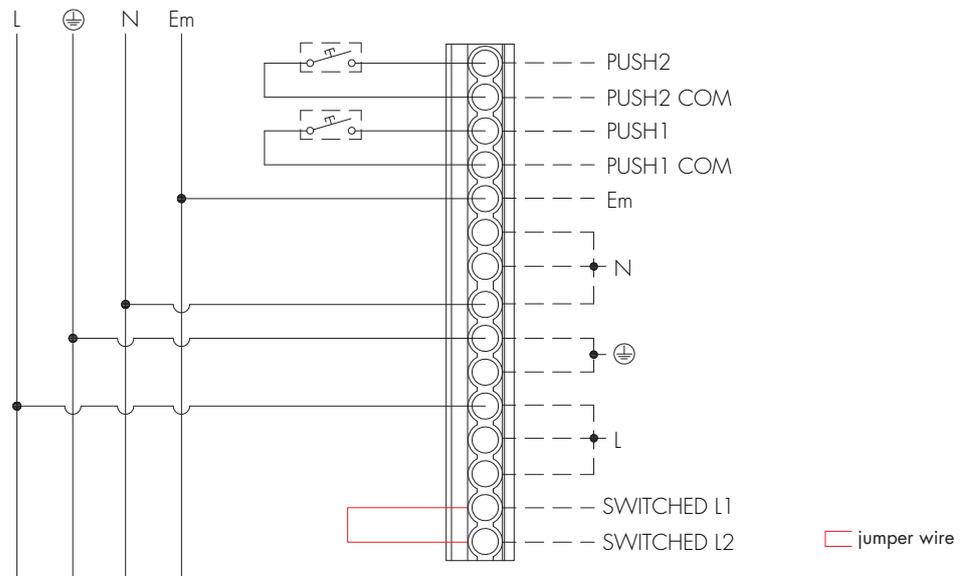
It can be fixed with mounting rods.

Marco Tray Mount ▼

It can work with Marco clips steel wire cables tray system.

Wiring Diagram

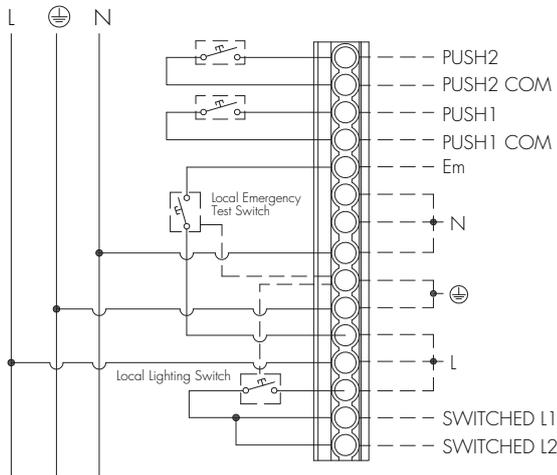Factory default setting with a pre-installed jumper wire One-channel (1x8) switching control

L ⏚ N Em

— — PUSH2
— — PUSH2 COM
— — PUSH1
— — PUSH1 COM
— — Em
— — N
— — ⏚
— — L
— — SWITCHED L1
— — SWITCHED L2

▭ jumper wire

Note: 1. For two-channel (2x4) switching control please remove the jumper wire.
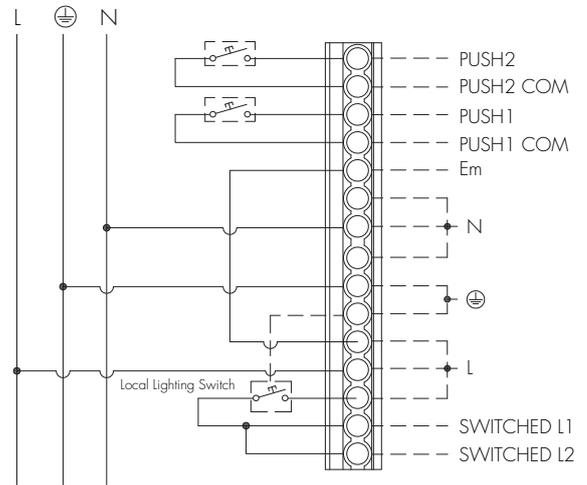
2. Do not wire across phases.

Wiring & Emergency Test
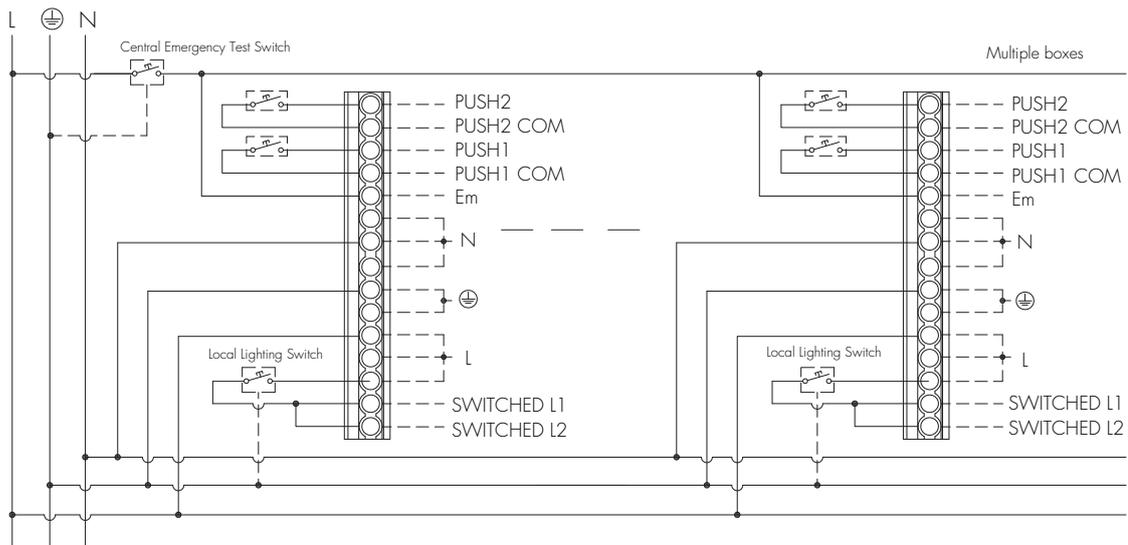
Local lighting switch and local emergency test switch

Using Local lighting switch for power interruption

Note: 1. A local lighting switch may still be used when there is a central emergency test switch or when a circuit breaker is used to interrupt the power.
2. Do not wire across phases.

Emergency test using central switch

Note: 1. A local lighting switch may still be used when there is a central emergency test switch.
2. Do not wire across phases.