

Connection Boxes

QCB01/BLE-S



* White color housing by default. Black color housing can be supplied upon request; Max. 10A can be supplied as a special version upon request

Key Features

- Non-dimmable control applications
- Intelligent control with Bluetooth 5.0 SIG mesh module built in
- 2 types of built-in Bluetooth 5.0 control module to select from
- Detailed Bluetooth system features can be viewed on page 05-11
- Luminaire outlet: GST type 4-pole terminal base (L', N, E, Em)
- Black housing and white housing available to choose from
- Tamper-proof structure design
- Expandable: easy extension to another QCB01/BLE-S wirelessly
- Rating of system: Default rating is 400VA capacitive & 800W resistive
- Max 10A can be supplied as a special version upon request
- Flame-retardant material for safety protection

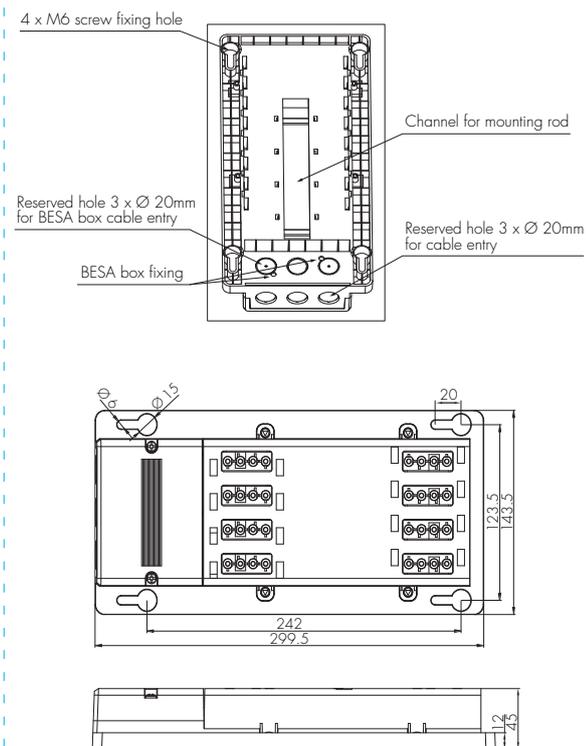
Your Benefits

- 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

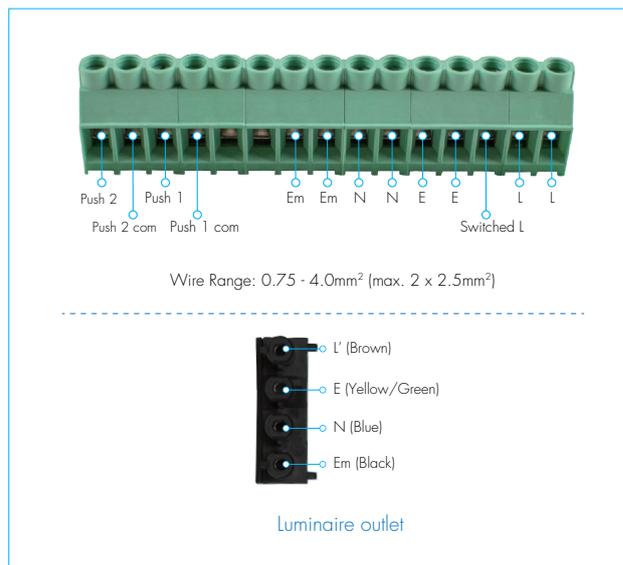
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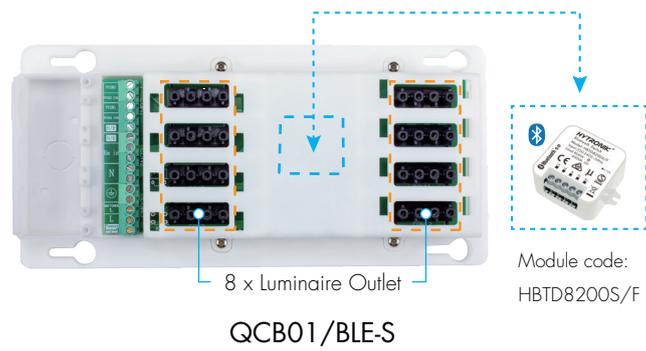
Model name	Description
QCB01/BLE-S	GST type 4-pole terminal base quick connection box for non-dimmable control applications. With 8 luminaire outlets for one-channel control and Bluetooth control HBTD8200S/F built-in. Default rating 400VA@ capacitive & 800W@ resistive

Dimensions (mm)



Input & Output Terminal Function





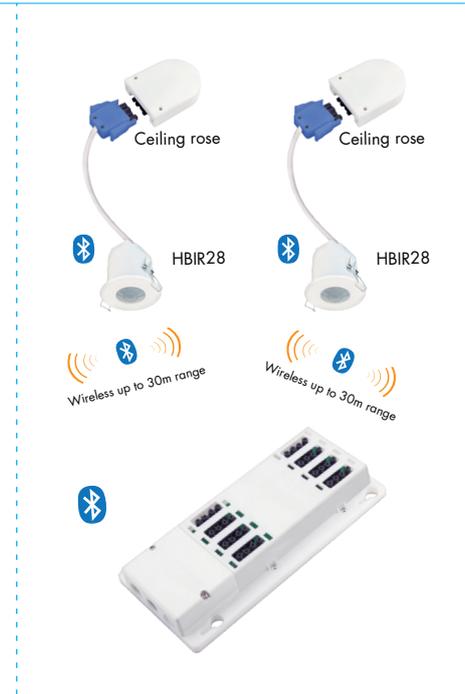
In the middle of the QCB01/BLE there is a pre-installed Bluetooth 5.0 SIG mesh controller module. The Bluetooth controller module controls all the 8 luminaire outlets as one channel (1 x 8). Default rating for this controller module is 400VA capacitive & 800W resistive. If higher loading capability is required, we can supply a special version with max 10A capability upon request.

What's so Helpful about QCB01/BLE-S Bluetooth "Intelligent" Control ?

1. User enjoys the full set of powerful Bluetooth features (see page 05-11 for details).

2. When used with Hytronik's Bluetooth on/off motion sensor, the Bluetooth sensor can control all the luminaires wirelessly without needing to be hard-wired to the QCB01/BLE-S.

Hytronik's Bluetooth sensor can be plugged to a nearest ceiling rose, without needing to connect a long cable to the QCB01/BLE-S. This Bluetooth sensor will be able to wirelessly control all the luminaires that are connected to the QCB01/BLE-S. This is extremely useful by saving long cable wirings when there are multiple Bluetooth sensors controlling a same group of luminaires.



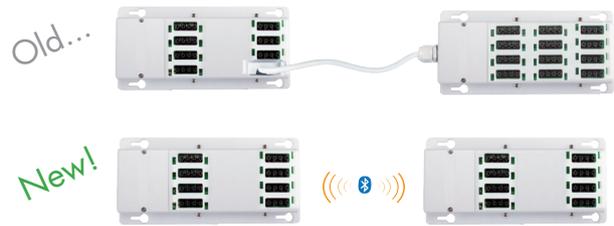
3. When used with an ordinary non-Bluetooth on/off motion sensor (can be Hytronik's sensor or can be from any third-party), the built-in Bluetooth 5.0 controller "upgrades" this ordinary on/off sensor to a Bluetooth smart control sensor.

With a built-in Bluetooth 5.0 controller in QCB01/BLE-S, an ordinary motion sensor can be "upgraded" to Bluetooth smart control using an App feature called "Sensor-link", which is easily achieved by wiring the 'L' of the ordinary sensor to the PUSH terminal of the QCB01/BLE-S. With this feature, the motion sensor works normally while the advanced Bluetooth control features such as scheduling, timer & recall scenes will all perform well at the same time.



Besides, there will be no requirement for the sensor's loading capability. Sensor just picks up motion and sends trigger signal, the loading capability is purely determined by the QCB01/BLE-S, which is 400VA capacitive & 800W resistive by default, and a special version of max 10A can be supplied upon request if higher loading capability is required. In other words, the sensor's loading capability can be as small as possible to save project cost, as 1A and 10A have no differences at all in this case.

4. Traditional way to extend number of luminaire outlets requires hard-wiring from one box to another. Now thanks to the Bluetooth mesh network, QCB01/BLE-S can be easily extended to another QCB01/BLE-S wirelessly!



5. QCB01/BLE-S can be wirelessly controlled by an EnOcean Bluetooth self-powered switch or Hytronik's Bluetooth touch panel HBPO2.

EnOcean
Self-powered IoT

