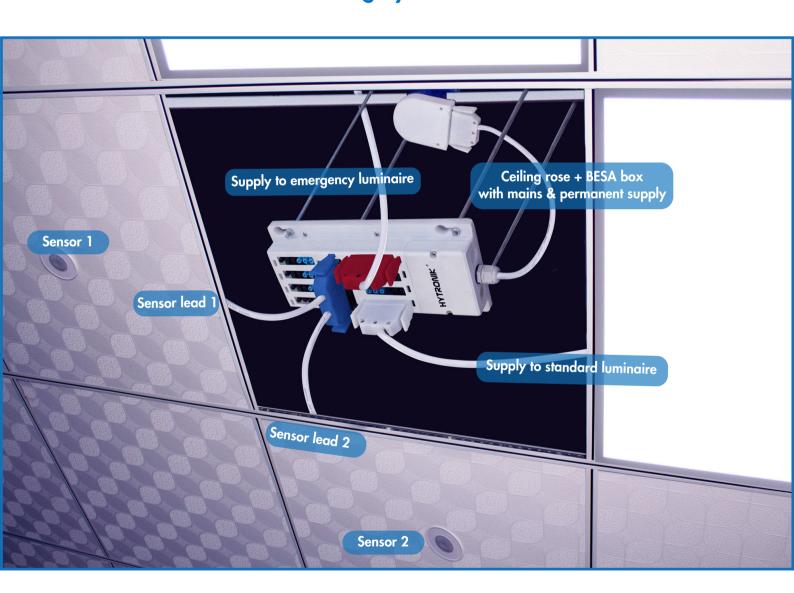


Introduction: Hytronik New Modular Wiring System

What Is Hytronik's New Modular Wiring System?

Hytronik is pleased to introduce to you our new Modular Wiring System for lighting control applications. The Modular wiring system consists of Quick Connect Boxes (QCB series), cables and plugs, ceiling rose components, and a wide range of sensor/controller selections. Typical applications include warehouse, commercial lighting, retail, healthcare, education, leisure, and office areas. The design concept is to simplify wiring processes on project sites, making it extremely simple and intuitive for installers and project managers by easy plug' n' play connections, which significantly saves the labor cost, minimizes installation time, improves safety level during operations, and also simplifies future upgrade & maintenance.

Modular Wiring System Overview



Benefits & Privileges

For Contractor / Partner



- Free project consultation/advice
- Minimize spending/budget on installation and commissioning
- Save project time significantly
- Comply with safety standards
- One stop solution for consultation/control/purchasing
- Multiple functions design reduces model inventories







For Lighting Consultant / Designer

- Free product training
- Optimal product recommendation case by case
- Floorplan feature to simplify designing process
- Bluetooth mesh eliminates the need for complex hard wirings
- Wide product/control range to cover all kinds of applications
- Powerful web platform for easy configuration profile preset

For Electrician / Installer



- Safe on-load connection / disconnection
- Safe electromechanical connection
- Pre-set configuration profile keeps commissioning to a minimum
- Significantly save time by uploading preset configuration profiles to devices directly
- Complete pluggable solution simplifies the installation
- Downloadable configuration settings for keeping records
- One-key device replacement featured





For Project Owner / Maintenance



- Maximum energy saving with visualized statistics
- Comprehensive permission management
- Trouble-free!
- Future-proof! Batch OTA upgrade through mesh/gateway easily
- Monitor building's operational status remotely
- Emergency report auto-generation with data analysis and diagnosis
- Automatic fault notification via email
- "Tamperproof" screws to prevent unwanted attempts to take the unit apart
- Simplified maintenance

For Environment



- Recyclable packages & components
- Low smoke emission & halogen free materials
- Maximized energy saving
- Reduced material waste







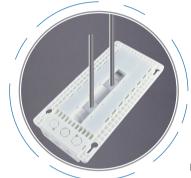
BESA/Junction Box Connection It can be connected with BESA/junction box.

It can work with 4 x M6 screws to fix onto both walls and ceilings.



Channel Nut Mount

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

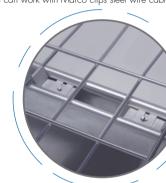




Marco Tray Mount



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



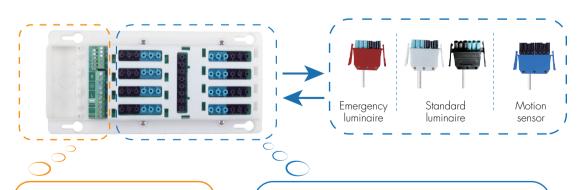
Mounting Rods



It can be fixed with mounting rods.



Connectivity



Mains input part:

Cable gland (together with removable cable-entry plates) and spacious wiring compartment provide easy wiring fixings.

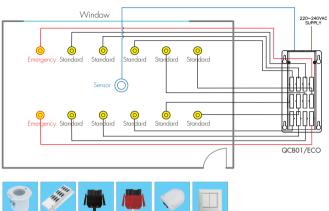
Control inputs & outputs part:

Luminaire connections (including standard luminaire & emergency luminaire) and sensor connections are all pluugable design using cables & plugs. No hard-wiring needed at all!

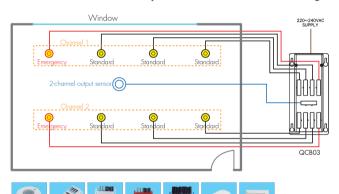
Typical Applications Example



One-channel control with 1pc sensor



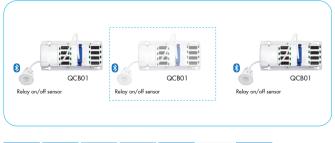
Two-channel control with 1pc sensor window row switching/dimming







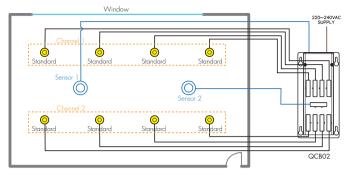
One-channel controlled by ≥ 2pcs sensors synchronously simple corridor solutions!





Two-channel controlled by 2pcs sensors seperately







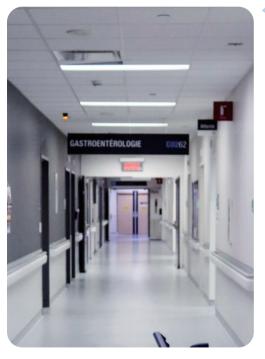




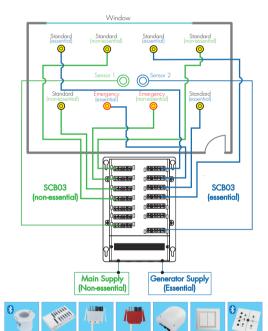








Dual-circuit application with non-essential & essential supplies



Overview: Quick / Super Connection Boxes

	Overview. Quick / ouper										
	9	Bluetooth	Connector Type	Number of Outlets (Sockets		Switching/ Dimmable	Support Emergency	Power Supply Input	Push (Retractive) Switch & Sensor Connection	Support Dual (or Multi-) Channel	Page
	QCB01/BLE-S	\checkmark	GST type	8 luminaires	4-pole	Switching	√	Single Supply	Mains Powered		238
	QCB01		GST type	8 luminaires + 1 sensor	4-pole	Switching	V	Single Supply	Mains Powered	√ (Support Dual- Channels)	241
	QCB01/ECO		GST type	12 luminaires	4-pole	Switching	\checkmark	Single Supply	Mains Powered		242
	QCB02/BLE-V	√	Wago	8 luminaires	5-pole	Dimmable (0/1-10V)		Single Supply	Mains Powered		248
	QCB02/BLE-D2	√	Wago	8 luminaires	5-pole	Dimmable (DALI-2)		Single Supply	Mains Powered		248
NEV	QCB02/BLE-DCA	√ (Casambi)	Wago	8 luminaires	5-pole	Dimmable (DALI-2)		Single Supply	Mains Powered		248
NEV	QCB02/BLE-DTY	√ (Tuya)	Wago	8 luminaires	5-pole	Dimmable (DALI-2)		Single Supply	Mains Powered		248
	QCB02		Wago	8 luminaires + 1 sensor	5-pole	Dimmable (0/1-10V & DALI-2)		Single Supply	Mains Powered	√ (Support Dual- Channels)	252
	QCB03/BLE-V	V	GST type	8 luminaires	6-pole	Dimmable (0/1-10V)	V	Single Supply	Mains Powered		254
	QCB03/BLE-D2	√	GST type	8 luminaires	6-pole	Dimmable (DALI-2)	V	Single Supply	Mains Powered		254

Overview: Quick / Super Connection Boxes

		<u> </u>	ervie	ew: Qi	JICI	(/ 3	uper	Conne	ection Box	es 	
	9	Bluetooth	Connector Type	Number of Outlets (Sockets)	Poles	Switching/ Dimmable	Support Emergency	Power Supply Input	Push (Retractive) Switch & Sensor Connection	Support Dual (or Multi-) Channel	Page
NEW	8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	√ (Casambi)	GST type	8 luminaires	6-pole	Dimmable (DALI-2)	\checkmark	Single Supply	Mains Powered		254
NEW	QCB03/BLE-DTY	√ (Tuya)	GST type	8 luminaires	6-pole	Dimmable (DALI-2)	V	Single Supply	Mains Powered		254
	QCB03		GST type	8 luminaires + 1 sensor	6-pole	Dimmable (0/1-10V & DALI-2)	\checkmark	Single Supply	Mains Powered	√ (Support Dual- Channels)	258
NE	QCB03/ECO		GST type	12 luminaires + 2 sensors	6-pole	Dimmable (0/1-10V & DALI-2)	\checkmark	Single Supply		√ (Support Dual- Channels)	260
NE	SCB01/BLE	√	GST type	14 luminaires + 4 SELV sensor RJ45 ports	6-pole	Dimmable (DALI-2 & Switching)	\checkmark	Single Supply	Low-volt (SELV)	(Support up to 10 Channels)	262
NE	SCB02/BLE	\checkmark	GST type	14 luminaires + 4 SELV sensor RJ45 ports	6-pole	Dimmable (DALI-2 & Switching)	V	Dual Supply (Essential + Non-essential)	Low-volt (SELV)	(Support up to	265
NE	SCB03		GST type	12 luminaires + 2 sensors	6-pole	Dimmable (0/1-10V & DALI-2)	\checkmark	Dual Supply (Essential + Non-essential)	Mains Powered	√ (Support Dual- Channels)	268

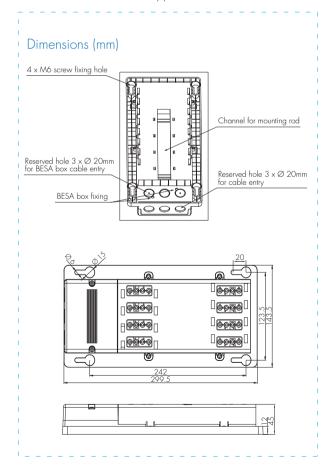
Connection Boxes

QCB01/BLE-S



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



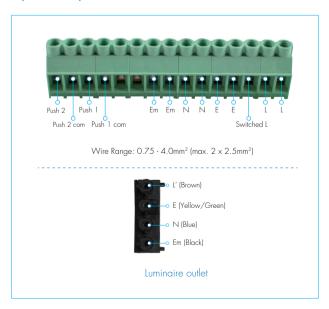
Your Benefits

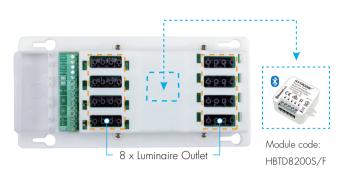
- Five types of installation methods meets different project needs
- Reduce labour hours and labour cost significantly
- Simple and intuitive wiring connections
- Improved safety level during wiring operations
- Clear and clean wiring makes it easy for future maintenance
- Can be supplied with pre-wired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

Ordering data

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

Input & Output Terminal Function





QCB01/BLE-S

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.

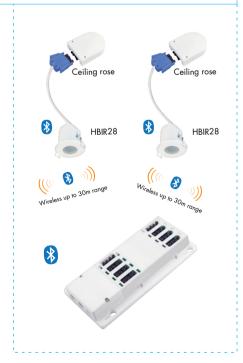
What's so Helpful about QCB01/BLE-S Bluetooth "Intelligent" Control ?

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.



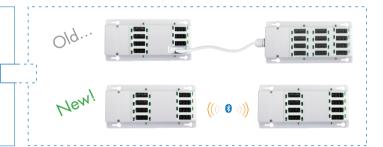
3. When used with an ordinary non-Bluetooth on/off motion sensor (can be Hytronik's sensor or can be from any third-party), the built-in Bluetooth 5.0 controller "upgrades" this ordinary on/off sensor to a Bluetooth smart control sensor.

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.

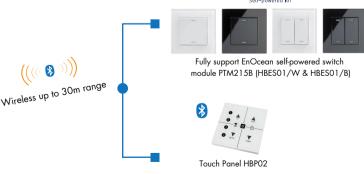
4. Traditional way to extend number of luminaire outlets requires hard-wiring from one box to another. Now thanks to the Bluetooth mesh network, QCB01/BLE-S can be easily extended to another QCB01/BLE-S wirelessly!





5. QCB01/BLE-S can be wirelessly controlled by an EnOcean Bluetooth self-powered switch or Hytronik's Bluetooth touch panel HBP02.

Self-powered lot



QCB01



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 \times 8) & 2-channel (2 \times 4) control
- Tamper-proof structure design
- Expandable: easy extension to another QCB01/ECO via plug' n' play
- Rating of system: Max 16A. Rating of each output: Max 10A
- Flame-retardant material for safety protection

Your Benefits

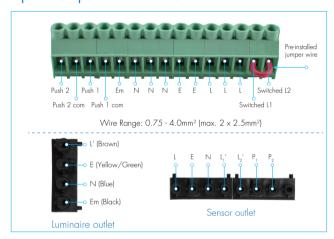
- Five types of installation methods meets different project needs
- Reduce labour hours and labour cost significantly
- Simple and intuitive wiring connections
- Improved safety level during wiring operations
- Clear and clean wiring makes it easy for future maintenance
- Can be supplied with pre-wired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

Dimensions (mm) 4 X M6 screw fixing hole Channel for mounting red Reserved hole 3 X Ø 20mm for BESA box cable entry BESA box fixing

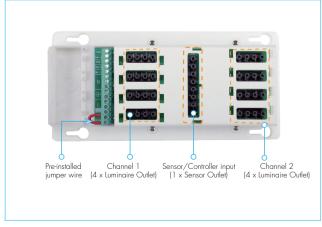
Ordering data

Model name	Description
QCB01	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



Factory default for QCB01 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 \times 8) that are controlled together by the sensor/controller.



By removing this pre-installed jumper wire, the 8 outlets are then divided into two separate channels. This QCB01 becomes a 2-channel box with 2×4 luminaire outlet. The two channels will be controlled separately (Channel 1 is controlled by Switched L1, and Channel 2 is controlled by Switched L2).

QCB01/ECO

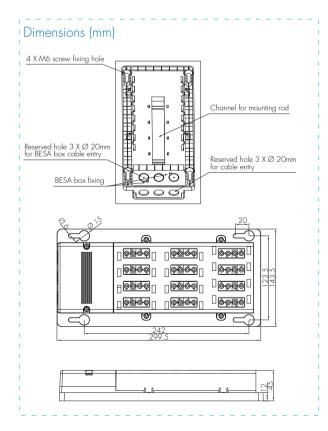


Key Features

- Non-dimmable control applications
- Economic design with 12 luminaire outlets
- 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/ECO via plug' n' play
- Rating of system: Max 16A. Rating of each output: Max 10A
- Flame-retardant material for safety protection

Your Benefits

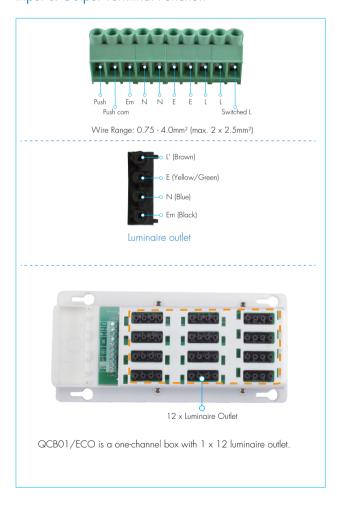
- Five types of installation methods meets different project needs
- Reduce labour hours and labour cost significantly
- Simple and intuitive wiring connections
- Improved safety level during wiring operations
- Clear and clean wiring makes it easy for future maintenance
- Can be supplied with pre-wired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



Ordering data

Model name	Description
QCB01/ECO	GST type 4-pole terminal base quick connection box for non-dimmable control applications. With 12 luminaire outlets for one-channel control. Rating of system 16A, rating of each output 10A.

Input & Output Terminal Function



Ceiling Rose

Ceiling rose QCCR01 can be used when there is a need to take power from a conduit box. The installation-friendly design comes with a very spacious termination space for really easy wirings.

Key Features:

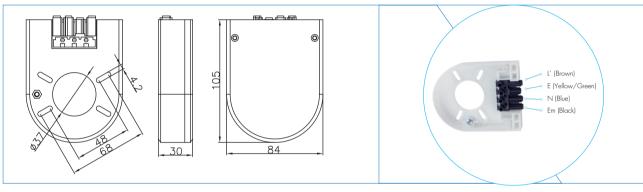
- Can be freely placed or fixed with BESA/junction box
- Taking power from BESA/junction box
- 4-pole GST type connector (L, E, N, Em)
- Allowing fast connection with Hytronik quick connection box
- 15mm depth big cabling space
- 48-68mm pitch for conduit mounting
- Nominal current max. 16A
- Flame-retardant material for safety protection



*QCCR01 is supplied with white color housing by default. Black color housing can be supplied upon request.

Input & Output Terminal Function

Mechanical Structure & Dimensions



Secure QCCR01 with BESA/Junction box



Connection to Hytronik's QCBs

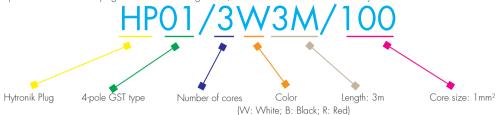


Connection to Hytronik's Motion Sensors



Power-supply Cable & Plug for Luminaires/QCBs

Hytronik provides pre-assembled cable & plug. All cables are halogen free, low smoke emission and are factory connected.



Order Code:	Picture:	Description:	Page:
HPO1/W		GST type 4-pole male connection, White color plug only, without cable	244
HP01/3W3M/100	/ Illinii	GST type 4-pole male connection, 3-core, 3m cable length, White, Core size 1.0mm²	244
HP01/3W3M/150		GST type 4-pole male connection, 3-core, 3m cable length, White, Core size 1.5mm²	244
HP01/3W5M/100	A	GST type 4-pole male connection, 3-core, 5m cable length, White, Core size 1.0mm²	244
HPO1/3W5M/150		GST type 4-pole male connection, 3-core, 5m cable length, White, Core size 1.5mm ²	244
HPO1/B		GST type 4-pole male connection, Black color plug only, without cable	245
HP01/3B3M/100	1	GST type 4-pole male connection, 3-core, 3m cable length, Black, Core size 1.0mm²	245
HPO1/3B3M/150	J	GST type 4-pole male connection, 3-core, 3m cable length, Black, Core size 1.5mm²	245
HPO1/3B5M/100		GST type 4-pole male connection, 3-core, 5m cable length, Black, Core size 1.0mm²	245
HPO1/3B5M/150		GST type 4-pole male connection, 3-core, 5m cable length, Black, Core size 1.5mm²	245
HPO1/R		GST type 4-pole male connection, Red color plug only, without cable	245
HPO1/4R3M/100		GST type 4-pole male connection, 4-core, 3m cable length, Emergency, Red, Core size 1.0mm²	245
HPO1/4R3M/150	Ţ	GST type 4-pole male connection, 4-core, 3m cable length, Emergency, Red, Core size 1.5mm²	245
HPO1/4R5M/100		GST type 4-pole male connection, 4-core, 5m cable length, Emergency, Red, Core size 1.0mm²	245
HPO1/4R5M/150		GST type 4-pole male connection, 4-core, 5m cable length, Emergency, Red, Core size 1.5mm²	245





Description >>>>

 For use with QCB01, QCB01/ECO or QCB01/BLE

Order Code: HP01/3W3M/100 • Can be used as:



Order Code: HP01/3W3M/150

Order Code: HP01/3W5M/100

5m cable length, 1.0mm² core size

- -- Power supply to standard luminaire
- -- Power supply to QCBs via ceiling rose QCCR01
- - Power supply to extend one QCB to another QCB
- GST type 4-pole male connection with loose/free end
- 3-core (L, E, N)

(Brown, Yellow/Green, Blue)

Order Code: HP01/3W5M/150

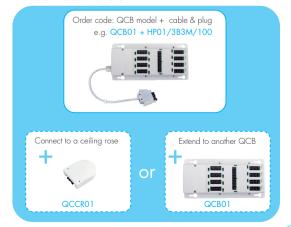
5m cable length, 1.5mm² core size

• White color plug & White color cable

Can be supplied alone, so that user can connect to a standard luminaire.



Can be supplied with pre-wired QCB models (applicable model: QCB01, QCB01/BLE, QCB01/ECO), so that user can connect to ceiling rose QCCR01, or extend one QCB to another QCB.







• For use with QCB01, QCB01/ECO or QCB01/BLE

Order Code: HP01/3B3M/100



Order Code: HP01/3B3M/150

- Can be used as:
 - -- Power supply to standard luminaire
 - -- Power supply to QCBs via ceiling rose QCCR01
 - -- Power supply to extend one QCB to another QCB
- GST type 4-pole male connection with loose/free end
- - 3-core (L, E, N)

(Brown, Yellow/Green, Blue)

• Black color plug & Black color cable

Description >>>>

Can be supplied alone, so that user can connect to a

standard luminaire.

Can be supplied with pre-wired QCB models (applicable model: QCB01, QCB01/BLE, QCB01/ECO), so that user can connect to ceiling rose QCCR01, or extend one QCB to another QCB.



Order Code: HP01/3B5M/100



Order Code: HP01/3B5M/150



Order Code: HP01/R



Description >>>>

• For use with QCB01, QCB01/ECO or QCB01/BLE





Order Code: HP01/4R3M/150

m cable length, 1.5mm² core size

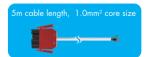
Order Code: HP01/4R3M/100

- -- Power supply to emergency
 - luminaire

-- Power supply to QCBs via ceiling rose QCCRO1

-- Power supply to extend one QCB to another QCB

Order Code: HP01/4R5M/100



- GST type 4-pole male connection with
 - loose/free end
- 4-core (L, E, N, EM)

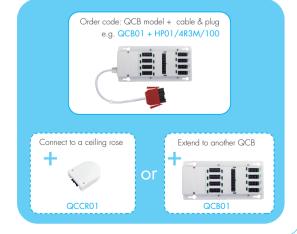
(Brown, Yellow/Green, Blue, Black)

• Red color plug & White color cable

Can be supplied alone, so that user can connect to an emergency luminaire.



Can be supplied with pre-wired QCB models (applicable model: QCB01, QCB01/BLE, QCB01/ECO), so that user can connect to ceiling rose QCCR01, or extend one QCB to another QCB.







NEW!

HBMW28/PRO

Bluetooth + Presence Detection HF senso with On/Off control



See pg. 136 for full details & specs information

Order code/Picture

HBMW28/PRO+ HP04/1X1



1 pc HBMW28/PRO delivered with pre-installed sensor plug (for use with QCB01)

Description

HBMW28/PRO+ HP04/2X2



2pcs HBMW28/PRO delivered with pre-installed sensor plug (for use with QCB01)

Sensor + QCB model e.g. HBMW28/PRO+ QCB01/ECO



(applicable QCB model: QCB01/ECO, QCB01/BLE, QCB02/BLE, QCB03/BLE)

e.g. HBMW28/PRO delivered with pre-installed QCB01/ECO

HBMW28/PRO+HP07



HBMW28/PRO supplied with cable & plug for connecting to ceiling rose QCCR01, which wirelessly controls QCB01/BLE, QCB02/BLE or QCB03/BLE

- 1. Optional sensor accessories can be purchased upon request
 - 2. The length of cable is 3m by default. 5m cable length can be supplied upon request



HBIR28/2CH series

Bluetooth + Presence Detection HF sensor with Dual-channel On/Off control







Order code/Picture

Description

HBIR28/2CH • Max height: 6m • Max detection range: Ø =9m HBIR28/2CH/R

• Max detection range Ø = 10m



Sensor +HPO4/1X1 e.g. HBIR28/2CH+ HP04/1X1



e.g. 1pc HBIR28/2CH delivered with pre-installed sensor plug (for use with QCBO1)

(applicable sensor model: HBIR28/2CH, HBIR28/2CH/R, HBIR28/2CH/W)

See pg. 139 for full details & specs information

Please note:

- 1. Optional sensor accessories can be purchased upon request
- 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HBIR28 series

Bluetooth + PIR sensor with On/Off control





HBIR28/R



HBIR28/W

• Max detection range Ø =18m

See pg. 138 for full details & specs information

Order code/Picture

1 pc HBIR28 delivered with pre-installed sensor plug (for use

Description

(applicable sensor model: HBIR28, HBIR28/R, HBIR28/W)

Sensor + HP04/2X2 e.g. HBIR28 + HPO4/2X2

Sensor + HPO4/1X1 e.g. HBIR28 + HPO4/1X1



2pcs HBIR28 delivered with pre-installed sensor plug (for use with QCB011

(applicable sensor model: HBIR28, HBIR28/R, HBIR28/W)

Sensor + QCB model e.g. HBIR28 + QCB01/ECO



(applicable QCB model: QCB01/ECO, QCB01/BLE, QCB02/BLE, QCB03/BLE)

(applicable sensor model: HBIR28, HBIR28/R, HBIR28/W) e.g. HBIR28 delivered with pre-installed QCB01/ECO

Sensor + +HP07 e.g. HBIR28 + HP07



HBIR28 supplied with cable & plug for connecting to ceiling rose QCCR01, which wirelessly controls QCB01/BLE, QCB02/BLE or QCB03/BLE.

(applicable sensor model: HBIR28, HBIR28/R, HBIR28/W)

- 1. Optional sensor accessories can be purchased upon request
- 2. The length of cable is 3m by default. 5m cable length can be supplied upon request



NEW!

HMW28/PRO

Bluetooth + Presence Detection HF sensor with On/Off control



See pg. 150 for full details & specs information

Order code/Picture

HMW28/PRO+HP04/1X1



1 pc HMW28/PRO delivered with pre-installed sensor plug (for use with QCB011

Description

HMW28/PRO+HP04/2X2



2pcs HMW28/PRO delivered with pre-installed sensor plug (for use with QCB01)

Sensor + QCB model e.g. HMW28/PRO+ QCB03/BLE-D2



(applicable QCB model: QCB01/ECO, QCB01/BLE, QCB02/BLE, QCB03/BLE)

e.g. HMW28/PRO delivered with pre-installed QCB03/BLE-D2

- Optional sensor accessories can be purchased upon request
 The length of cable is 3m by default. 5m cable length can be supplied upon request

HIR28 series

Bluetooth + PIR sensor with On/Off control



- Max height: 6m Max detection range Ø =9m • Max height: 6m Max detection range: Ø =10m



- Max height: 6mMax detection rangeØ = 18m
- See pg. 155 for full details & specs information

Order code/Picture

Description

Sensor + HPO4/1X1 e.g. HIR28 + HPO4/1X1



1 pc HIR28 delivered with pre-installed sensor plug (for use with QCB01)

(applicable sensor model: HIR28, HIR28/R, HIR28/W)

Sensor + HP04/2X2 e.g. HIR28 +

HPO4/2X2



2pcs HIR28 delivered with pre-installed sensor plug (for use with QCB01)

(applicable sensor model: HIR28, HIR28/R, HIR28/W)

Sensor + QCB model e.g. HIR28+ QCB03/BLE-D2



(applicable QCB model: QCB01/ECO, QCB01/BLE, QCB02/BLE, QCB03/BLE)

(applicable sensor model: HIR28, HIR28/R, HIR28/W) e.g. HIR28 series delivered with pre-installed QCB03/BLE-D2.

- 1. Optional sensor accessories can be purchased upon request
- 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

Connection Boxes

QCB02/BLE series





Key Features

- Dimmable control applications (DALI/DALI-2 or O/1-10V)
- Intelligent control with Bluetooth 5.0 SIG mesh module built in
- 4 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: Wago 5-pole terminal base (L', N, E, Dim+, Dim-)
- Black housing and white housing available to choose from
- Tamper-proof structure design
- Expandable: easy extension to another QCB02/BLE wirelessly
- Rating of system - -

QCB02/BLE-D2: Max. 100mA DALI/DALI-2 power supply QCB02/BLE-DCA & QCB02/BLE-DTY: Max. 100mA DALI/DALI-2 power supply QCB02/BLE-V: Default rating is 400VA capacitive & 800W resistive. Max 10A can be supplied as a special version upon request

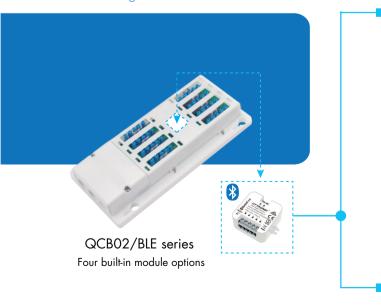
• Flame-retardant material for safety protection

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

Dimensions (mm): 4 X M6 screw fixing hole Channel for mounting rod Reserved hole 3 X Ø 20MM for BESA box cable entr Reserved hale 3 X Ø 20MM BESA box fixing **B-6-13-6** DE 104 D 67 04

Ordering data:

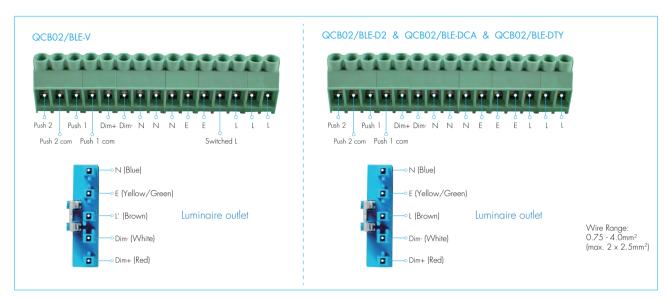


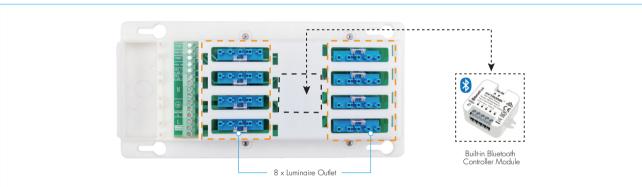
Model name Description

(Built-in Bluetooth module code: HBTD8200V/F) 0/1-10V output QCB02/BLE-V Default rating 400VA capacitive & 800VV Dimmable control with corridor function (Built-in Bluetooth module code: HBTD8200D/F) DALI / DALI-2 output QCB02/BLE-D2 Max. 100mA DALI/DALI-2 power supply. DT8: Dimmable & Color Tunable (Built-in Bluetooth module code: HBTD8200D/F/CA) DALI / DALI-2 output QCB02/BLE-DCA Max. 100mA DALI/DALI-2 power supply. DT8: Dimmable & Color Tunable, Casambi Enabled (Built-in Bluetooth module code: HBTD8200D/TY/F) DALI / DALI-2 output QCB02/BLE-DTY

Max. 100mA DALI/DALI-2 power supply. DT8: Dimmable & Color Tunable, Tuya Enabled

Input & Output Terminal Function





In the middle of the QCB02/BLE there is a pre-installed Bluetooth 5.0 SIG mesh controller module. We offer 4 types of different controller modules for users to choose from. For each controller module, all the 8 luminaire outlets as regarded as one channel (1 x 8).

Default max rating for QCB02/BLE-D2 & QCB02/BLE-DCA & QCB02/BLE-DTY is 100mA;

Default max rating for QCB02/BLE-V is 400VA Capacitive & 800W Resistive. Max 10A can be supplied as a special version upon request.

Connecting to **linect** System!

QCB02/BLE products are also able to be integrated to Linect connection linect system. With the T-connector module, connection to luminaires can be easily extended (luminaire needs to be linect connection enabled).



What's so Helpful about QCB02/BLE Series Bluetooth "Intelligent" Control ?

(For Casambi's and Tuya's products, they have overall pretty much similar benifits and capabilities but still vary from one to another when it comes to the details. Users can always refer to Casambi's or Tuya's corresponding Bluetooth system to learn their capabilities and differences accordingly)

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 QCB02/BLE.



Hytronik's Bluetooth sensor can be plugged to a nearest ceiling rose, without needing to connect a long cable to the QCB02/BLE. This Bluetooth sensor will be able to wirelessly control all the luminaires that are connected to the QCB02/BLE. This is extremely useful by saving long cable wirings when there are multiple Bluetooth sensors controlling a same group of luminaires.

Thanks to the built-in Bluetooth 5.0 controller, QCB02/BLE is born to comes with dimming output to the luminaires (namely, QCB02/BLE-V provides 0/1-10V output, QCB02/BLE-D2 provides DALI/DALI-2 output. So the sensor only needs to be a non-dimmable on/off sensor that just picks up motion and sends out trigger signal via Bluetooth, and all the dimming controls will be performed by the QCB02/BLE box itself.

This makes sensor selections easy and cost-effective, aiming to cut the budget cost and reduce sensor model inventories for users.

	Dimming Control Capability						
8		QCB02/BLE-V (0/1-10V output)	QCB02/BLE-D2 (DALI/DALI-2 output)				
	Lux on/off control	$\sqrt{}$	$\sqrt{}$				
With Hytronik's On/Off Bluetooth sensor HBIR28	Tri-level control (Corridor function)	$\sqrt{}$	$\sqrt{}$				
	Daylight harvest control (Daylight regulating/interation)	$\sqrt{}$	$\sqrt{}$				
	Color tuning control		$\sqrt{}$				
	Circadian rhythm control (Human Centric Lighting)		$\sqrt{}$				

Besides, there will be no requirement for the sensor's loading capability. Sensor just picks up motion and sends trigger signal via Bluetooth, the loading capability is purely determined by QCB02/BLE, which depends on internal control module selections. For QCB02/BLE-D2, the max. DALI power supply is 100mA; and for QCB02/BLE-V, the max. rate is 400VA capacitive & 800VV 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.

What's so Helpful about QCB02/BLE's & QCB03/BLE's

Bluetooth "Intelligent" Control?

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 tri-level control dimming control.

With a built-in Bluetooth 5.0 controller in QCB02/BLE, 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 QCB02/BLE. 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.

Meanwhile, another great thing about "Sensor-link" feature is that, it will "upgrade" an on/off motion sensor to have tri-level dimming function (corridor function)!

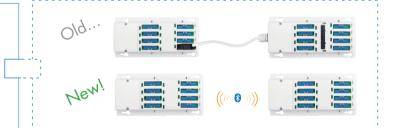
The on/off sensor that just picks up motion and sends out trigger signal via Bluetooth, and tri-level dimming control will be performed by the QCB02/BLE box

itself and users can set up stand-by parameters in the app freely. This makes sensor selections easy and cost-effective, aiming to cut the budget cost and reduce sensor model inventories for users.

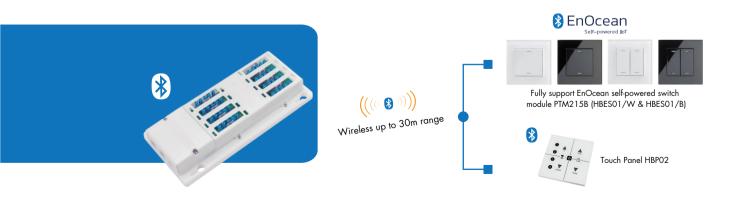


Besides, there will be no requirement for the sensor's loading capability. Sensor just picks up motion and sends trigger signal, the loading capability is purely determined by the QCB02/BLE, which depends on internal control selections. For QCB02/BLE-D2, the max. DALI power supply is 100mA; and for QCB02/BLE-V, the max. rate 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, QCB02/BLE can be easily extended to another QCB02/BLE wirelessly!



5. QCB02/BLE can be wirelessly controlled by an EnOcean Bluetooth self-powered switch or Hytronik's Bluetooth touch panel HBP02.



QCB02





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

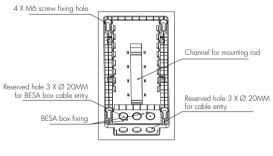
Key Features

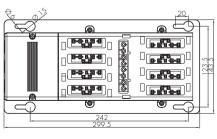
- Dimmable control applications (DALI or DALI-2)
- 8 luminaire outlets + 1 extra sensor outlet for sensor connection
- Luminaire outlet: Wago 5-pole terminal base (L' or L, N, E, DA+, DA-)
- Sensor outlet: GST type 8-pole terminal base (L, P1, N, DA,-, DA,+, P2, DA2-, DA2+)
- Black housing and white housing available to choose from
- Freely switch between 1-channel (1 x 8) & 2-channel (2 x 4) control
- Tamper-proof structure design
- Expandable: easy extension to another QCB02 via plug' n' play
- 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

Dimensions (mm)

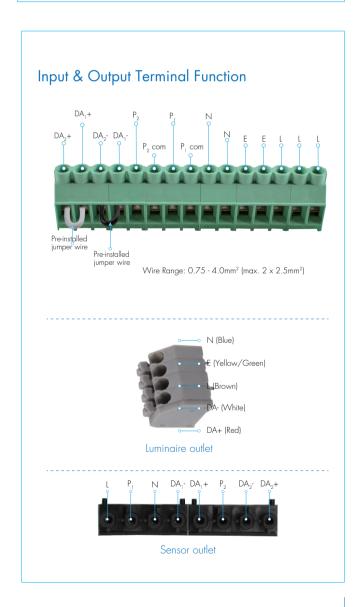


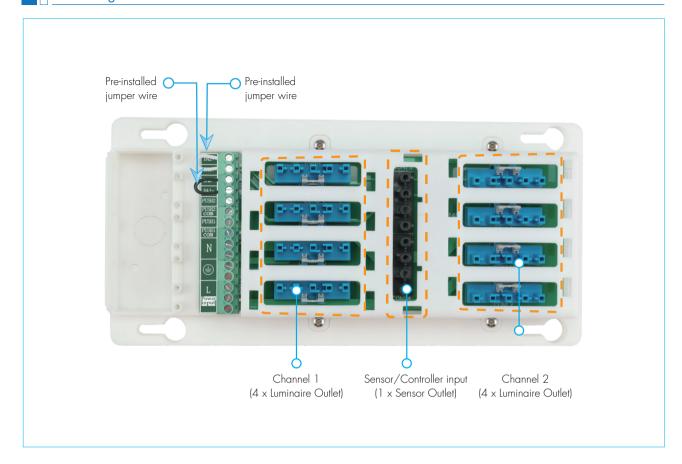




Ordering data

Model name	Description
QCB02	Wago 5-pole terminal base quick connection box for dimming application, with DALI or DALI-2 output, 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.





Factory default for QCB02 comes with two pre-installed jumper wires. The black jumper wire short-connects DA_1 - and DA_2 -, and the white jumper wire short-connects DA_1 + and DA_2 +. With these jumper wires, user can freely switch between one-channel and two-channel control.

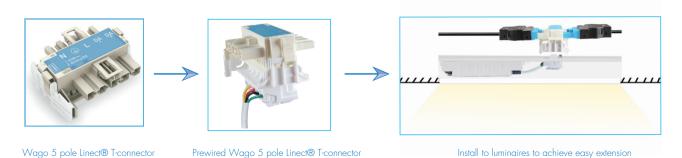
- 1) one-channel (1 \times 8) DALI dimming - keep both black wire & white wire.
- 2) two-channel (2 x 4) dual DALI dimming – remove both black wire & white wire.

 In this case the two channels will be controlled separately (channel 1 is controlled by DA₁+ & DA₁-, and channel 2 is controlled by DA₂- & DA₂+).

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

Connecting to linect System!

QCB02 products are also able to be integrated to Linect connection **linect** system. With the T-connector module, connection to luminaires can be easily extended (luminaire needs to be **linect** connection enabled).



QCB03/BLE series





Key Features

- Dimmable control applications (DALI/DALI-2 or 0/1-10V)
- Intelligent control with Bluetooth 5.0 SIG mesh module built in
- 4 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 6-pole terminal base (L', N, E, Em, Dim+, Dim-)
- Black housing and white housing available to choose from
- Tamper-proof structure design
- Expandable: easy extension to another QCB03/BLE wirelessly
- Rating of system - -

QCB03/BLE-D2: Max. 100mA DALI/DALI-2 power supply

QCB03/BLE-DCA & QCB03/BLE-DTY: Max. 100mA DALI/DALI-2 power supply QCB03/BLE-V: Default rating is 400VA capacitive & 800W resistive. Max 10A

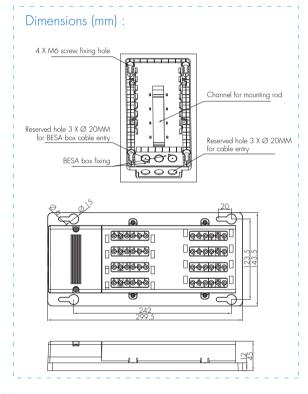
Flame-retardant material for safety protection

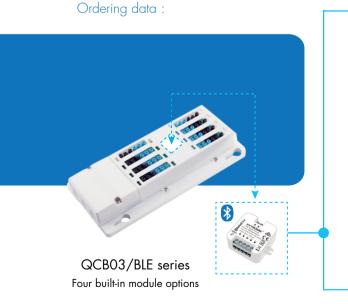
can be supplied as a special version upon request

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

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



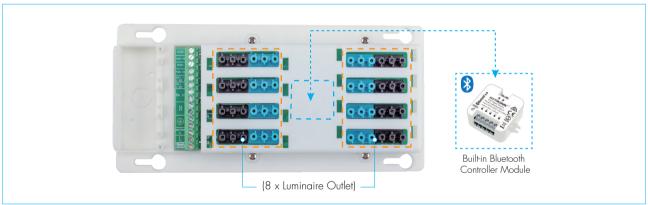


Model name Description

QCB03/BLE-V	(Buill-in Bluetooth module code: HBTD8200V/F) O/1-10V output Default rating 400VA capacitive & 800W resistive. Dimmable control with corridor function
QCB03/BLE-D2	(Builhin Bluetooth module code: HBTD8200D/F) DALI / DALI-2 output Max. 100mA DALI/DALI-2 power supply. DT8: Dimmable & Color Tunable
QCB03/BLE-DCA	(Builhin Bluetooth module code: HBTD8200D/F/CA) DALI / DALI-2 output Max. 100mA DALI/DALI-2 power supply. DT8: Dimmable & Color Tunable, Casambi Enabled
QCB03/BLE-DTY	(Builhin Bluetooth module code: HBTD8200D/TY/F) DALI / DALI-2 output Max. 100mA DALI/DALI-2 power supply. DT8: Dimmable & Color Tunable, Tuya Enabled

Input & Output Terminal Function





In the middle of the QCB03/BLE there is a pre-installed Bluetooth 5.0 SIG mesh controller module. We offer 4 types of different controller modules for users to choose from. For each controller module, all the 8 luminaire outlets as regarded as one channel (1 x 8).

Default max rating for QCB03/BLE-D2 & QCB03/BLE-DCA & QCB03/BLE-DTY is 100mA;

Default max rating for QCB03/BLE-V is 400VA Capacitive & 800W Resistive. Max 10A can be supplied as a special version upon request.

What's so Helpful about QCB03/BLE Series Bluetooth "Intelligent" Control?

(For Casambi's and Tuya's products, they have overall pretty much similar benifits and capabilities but still vary from one to another when it comes to the details. Users can always refer to Casambi's or Tuya's corresponding Bluetooth system to learn their capabilities and differences accordingly)

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 QCB03/BLE.



Hytronik's Bluetooth sensor can be plugged to a nearest ceiling rose, without needing to connect a long cable to the QCB03/BLE. This Bluetooth sensor will be able to wirelessly control all the luminaires that are connected to the QCB03/BLE. This is extremely useful by saving long cable wirings when there are multiple Bluetooth sensors controlling a same group of luminaires.

Thanks to the built-in Bluetooth 5.0 controller, QCB03/BLE is born to comes with dimming output to the luminaires (namely, QCB03/BLE-V provides 0/1-10V output, QCB03/BLE-D2 provides DALI/DALI-2 output. So the sensor only needs to be a non-dimmable on/off sensor that just picks up motion and sends out trigger signal via Bluetooth, and all the dimming controls will be performed by the QCB03/BLE box itself.

This makes sensor selections easy and cost-effective, aiming to cut the budget cost and reduce sensor model inventories for users.

	Dimming Control Capability						
8		QCB03/BLE-V (0/1-10V output)	QCB03/BLE-D2 (DALI/DALI-2 output)				
	Lux on/off control	$\sqrt{}$	$\sqrt{}$				
With	Tri-level control (Corridor function)	$\sqrt{}$	$\sqrt{}$				
Hytronik's On/Off Bluetooth	Daylight harvest control (Daylight regulating/interation)	$\sqrt{}$	$\sqrt{}$				
sensor HBIR28	Color tuning control		$\sqrt{}$				
	Circadian rhythm control (Human Centric Lighting)		$\sqrt{}$				

Besides, there will be no requirement for the sensor's loading capability. Sensor just picks up motion and sends trigger signal via Bluetooth, the loading capability is purely determined by QCB03/BLE, which depends on internal control module selections. For QCB03/BLE-D2, the max. DALI power supply is 100mA; and for QCB03/BLE-V, the max. rate is 400VA capacitive & 800VV 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.

What's so Helpful about QCB03/BLE Series Bluetooth "Intelligent" Control?

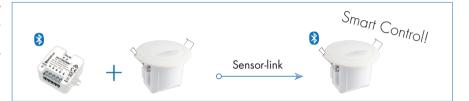
3. When used with an ordinary non-Bluetooth on/off motion sensor (can be Hytronik's sensor or can be from any third-party), the built-in Bluetooth 5.0 controller "upgrades" this ordinary on/off sensor to a Bluetooth smart control sensor, with tri-level control dimming control.

With a built-in Bluetooth 5.0 controller in QCB03/BLE, 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 QCB03/BLE. 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.

Meanwhile, another great thing about "Sensor-link" feature is that, it will "upgrade" an on/off motion sensor to have tri-level dimming function (corridor function)!

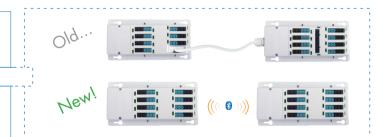
The on/off sensor that just picks up motion and sends out trigger signal via Bluetooth, and tri-level dimming control will be performed by the QCB03/BLE box

itself and users can set up stand-by parameters in the app freely. This makes sensor selections easy and cost-effective, aiming to cut the budget cost and reduce sensor model inventories for users.



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 QCB03/BLE, which depends on internal control selections. For QCB03/BLE-D2, the max. DALI power supply is 100mA; and for QCB03/BLE-V, the max. rate is 400VA capacitive & 800VV 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, QCB03/BLE can be easily extended to another QCB03/BLE wirelessly!



5. QCB03/BLE can be wirelessly controlled by an EnOcean Bluetooth self-powered switch or Hytronik's Bluetooth touch panel HBP02.



QCB03





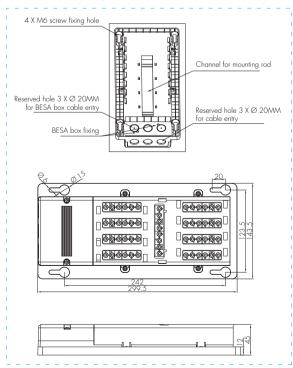
Key Features

- Dimmable control applications (DALI/DALI-2 or 0/1-10V)
- 8 luminaire outlets + 1 extra sensor outlet for sensor connection
- Luminaire outlet: GST type 6-pole terminal base (L' or L, N, E, Em, Dim+, Dim-)
- Sensor outlet: GST type 8-pole terminal base (L, N, E, L', P1, P2, Dim-, Dim+)
- 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
- Expandable: easy extension to another QCB03 via plug' n' play
- 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

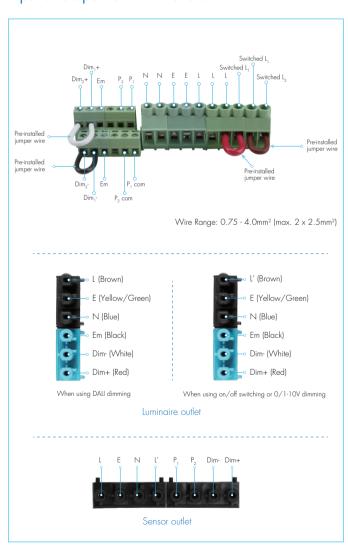
Dimensions (mm)

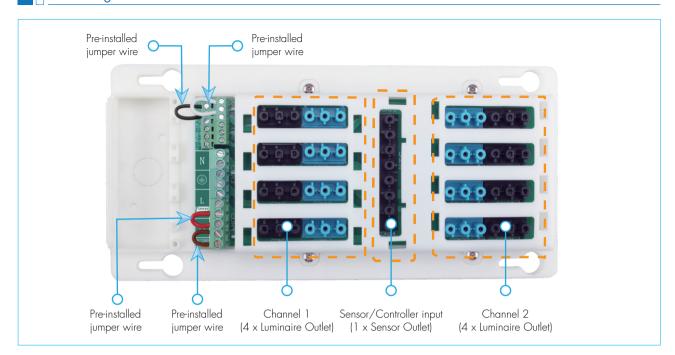


Ordering data

Model name	Description
QCB03	GST type 6-pole terminal base quick connection box for dimming application, with DALI/DALI-2 or 0/1-10V output, 8 luminaire outlets and 1 sensor outlet. Freely switch between1-channel and 2-channel control. Rating of system 16A, rating of each output 10A.

Input & Output Terminal Function





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 L1 and L, the black jumper wire short-connects Dim_1^- and Dim_2^- , and the white jumper wire short-connects Dim_1^+ and Dim_2^+ . With these jumper wires, user can freely choose different dimming control method and also freely switch between one-channel and two-channel control.

- 1) one-channel (1 \times 8) DALI dimming - keep all four jumper wires.
- 2) 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+).
- 3) one-channel (1 \times 8) 0/1-10V dimming - remove red wire, keep brown wire & black wire & white wire.
- 4) 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- & Dim₂+).
- 5) 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).
- 6) 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!



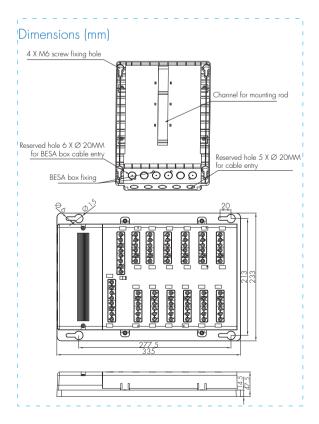


Key Features

- Dimmable control applications (DALI-2 or 0/1-10V)
- 12 luminaire outlets + 2 extra sensor outlet for sensor connection
- Luminaire outlet: GST type 6-pole terminal base (L' or L, N, E, Em, Dim+, Dim-)
- Sensor outlet: GST type 8-pole terminal base (L, N, E, L', P1, P2, Dim-, Dim+)
- 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
- Expandable: easy extension to another QCB03/ECO via plug' n' play
- Rating of system: Max 16A. Rating of each output: Max 10A
- Flame-retardant material for safety protection

Your Benefits

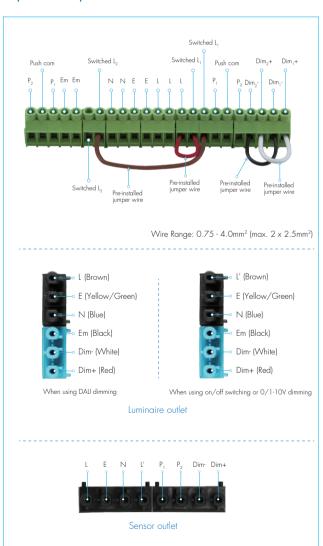
- Five types of installation methods meets different project needs
- Reduce labour hours and labour cost significantly
- Simple and intuitive wiring connections
- Improved safety level during wiring operations
- Clear and clean wiring makes it easy for future maintenance
- Can be supplied with pre-wired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

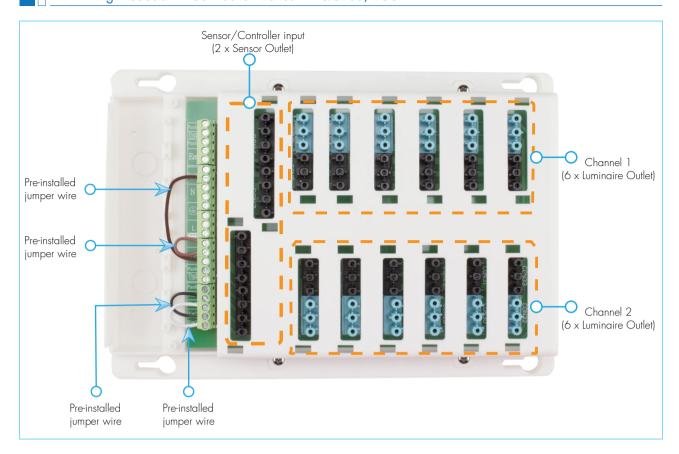


Ordering data

Model name	Description
QCB03/ECO	GST type 6-pole terminal base quick connection box for dimming application, with DALI or 0/1-10V output, 12 luminaire outlets and 2 sensor outlet. Freely switch between 1-channel and 2-channel control. Rating of system 16A, rating of each output 10A.

Input & Output Terminal Function





Factory default for QCB03/ECO 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 L1 and L, the black jumper wire short-connects Dim_1 - and Dim_2 -, and the white jumper wire short-connects Dim_1 + and Dim_2 +. With these jumper wires, user can freely choose different dimming control method and also freely switch between one-channel and two-channel control.

- 1) one-channel (1 \times 8) DALI dimming - keep all four jumper wires.
- 2) 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+).
- 3) one-channel (1 x 8) 0/1-10V dimming - remove red wire, keep brown wire & black wire & white wire.
- 4) 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- & Dim₂+).
- 5) 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).
- 6) 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!



NEW! SCB01/BLE

Key Features

- Dimmable & Switching applications
- Intelligent control with Bluetooth 5.0 SIG mesh module built in
- Detailed Bluetooth system features can be viewed on page 05-11
- Luminaire outlet: GST type 6-pole terminal base (L', N, E, Em, Dim+, Dim-)
- 4 Low-volt SELV RJ45 sensors ports (can be daisy chained)
- 4 SELV switch inputs
- Support VFC (volt-free contact) & ELT switch
- Support up to 8 luminaire channels (via app)
- Black housing and white housing available to choose from
- Tamper-proof structure design
- Expandable: easy extension to another SCB01/BLE wirelessly!
- Rating of system --- Max. 100mA DALI power supply & 400VA capacitive & 800W resistive (each outlet/socket).
- Flame-retardant material for safety protection



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

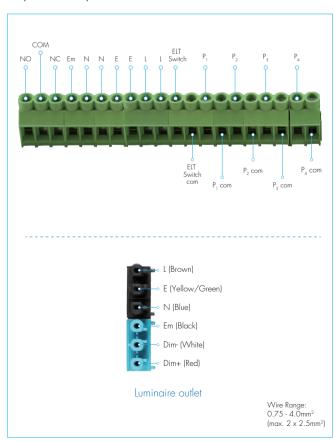
Ordering data

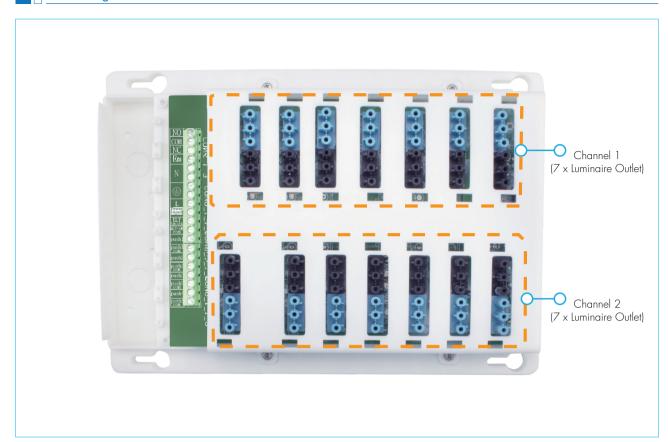
Model name	Description		
SCB01/BLE	Designed for low-volt (SELV) applications with SELV sensor connection and SELV PUSH/retractive switch. GST type 6-pole terminal base quick connection box for dimming [DALI-2] & switching application, 14 luminaire outlets, 4 SELV RJ45 sensor outlets and 4 SELV switch inputs. Support up to 8 luminaire channels via app, and an extra channel for VFC (volt-free contact) and an extra channel for ELT switch.		

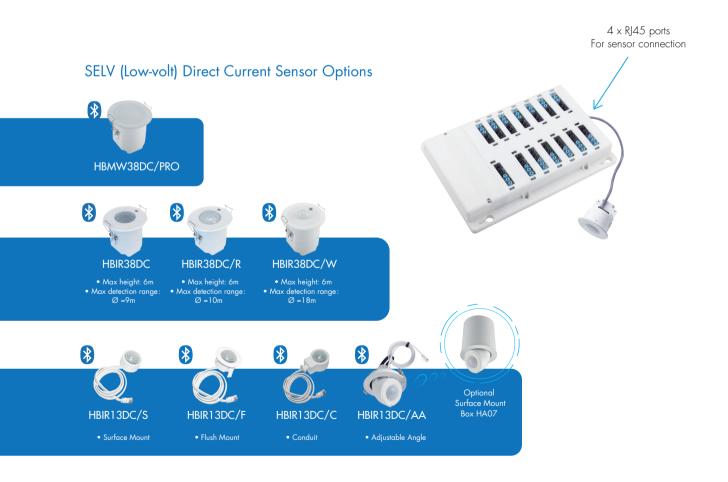
Your Benefits

- 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

Input & Output Terminal Function







What's so Helpful about SCB01/BLE Bluetooth "Intelligent" Control?

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



2. Traditional way to extend number of luminaire outlets requires hard-wiring from one box to another. Now thanks to the Bluetooth mesh network, SCB01/BLE can be easily extended to another SCB01/BLE wirelessly!



3. SCB01 can be wirelessly controlled by an EnOcean Bluetooth self-powered switch or Hytronik's Bluetooth touch panel HBP02.



4. Channel Grouping. Simple tick-box channels to group luminaire channels together!



SCB02/BLE

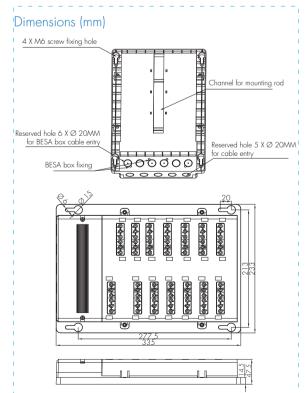


Key Features

- Dimmable & Switching applications
- Dual-circuit design for applications with both essential & non-essential supplies
- Intelligent control with Bluetooth 5.0 SIG mesh module built in
- Detailed Bluetooth system features can be viewed on page 05-11
- Luminaire outlet: GST type 6-pole terminal base (L', N, E, Em, Dim+, Dim-)
- 4 Low-volt SELV RJ45 sensors ports (can be daisy chained)
- 4 SELV switch inputs
- Support VFC (volt-free contact) & 2 ELT switches
- Support up to 8 luminaire channels (via app)
- Black housing and white housing available to choose from
- Tamper-proof structure design
- Expandable: easy extension to another SCB01/BLE wirelessly!
- Rating of system --- Max. 100mA DALI power supply & 400VA capacitive & 800W resistive (each outlet/socket).
- 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



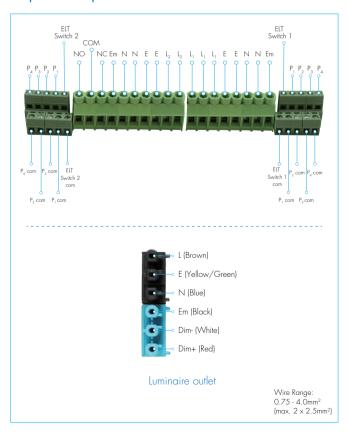


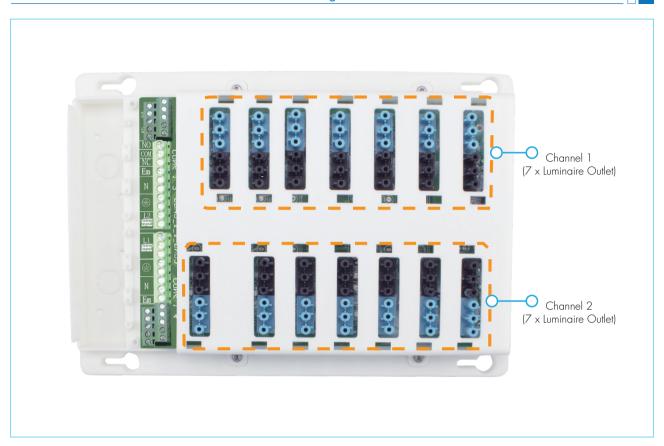
Ordering data

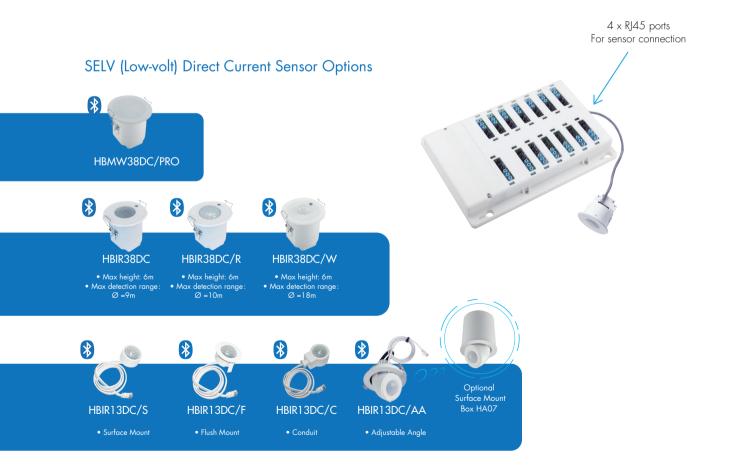
* White color	housing b	y default.	Black	color	housing	can	be
supplied upon	request.						

Model name	Description		
SCB02/BLE	Dual-circuit design for applications with both essential & non-essential supplies.		
	Designed for low-volt (SELV) applications with SELV sensor connection and SELV PUSH/retractive switch.		
	GST type 6-pole terminal base quick connection box for dimming [DALI-2] & switching application, 14 luminaire outlets, 4 SELV RJ45 sensor outlets and 4 SELV switch inputs. Support up to 8 luminaire channels via app, and an extra channel for VFC (volt-free contact) and two extra channel for ELT switches.		

Input & Output Terminal Function







What's so Helpful about SCB02/BLE Bluetooth "Intelligent" Control?

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



2. Traditional way to extend number of luminaire outlets requires hard-wiring from one box to another. Now thanks to the Bluetooth mesh network, SCB02/BLE can be easily extended to another SCB02/BLE wirelessly!



3. SCB02/BLE can be wirelessly controlled by an EnOcean Bluetooth self-powered switch or Hytronik's Bluetooth touch panel HBP02.



4. Channel Grouping. Simple tick-box channels to group luminaire channels together!





Key Features

- Dimmable control applications (DALI-2 or 0/1-10V)
- Dual-circuit design for applications with both essential & non-essential supplies
- 12 luminaire outlets + 2 extra sensor outlet for sensor connection
- Luminaire outlet: GST type 6-pole terminal base (L' or L, N, E, Em, Dim+, Dim-)
- Sensor outlet: GST type 8-pole terminal base (L, N, E, L', P1, P2, Dim-, Dim+)
- Black housing and white housing available to choose from
- Tamper-proof structure design
- Expandable: easy extension to another QCB03 via plug' n' play
- Rating of system: Max 16A. Rating of each output: Max 10A
- Flame-retardant material for safety protection

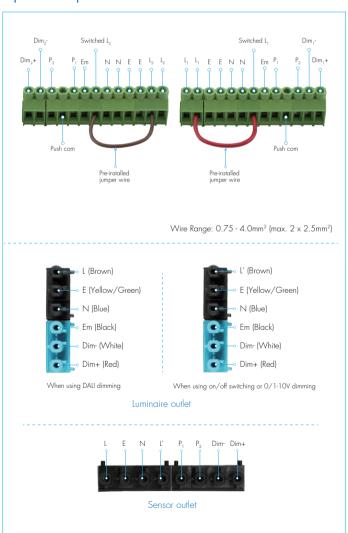
Ordering data

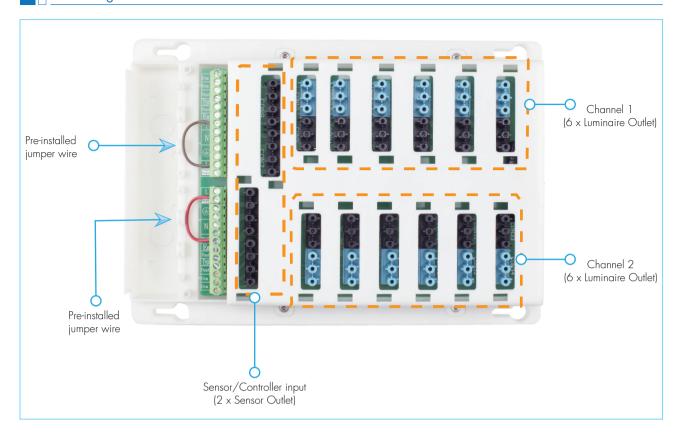
Model name	Description	
SCB03	Dual-circuit design for applications with both essential & non-essential supplies. GST type & pole terminal base quick connection box for dimming application, with DALI or 0/1-10V output, 12 luminaire outlets and 2 sensor outlet. Freely switch between 1-channel and 2-channel control. Rating of system 16A, rating of each output 10A.	

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

Input & Output Terminal Function





Factory default for SCB03 comes with 2 pre-installed jumper wires. The brown wire short-connects Switched L1 and L1 together, the red jumper wire short-connects Switched L2 and L2 together. With these jumper wires, user can freely choose different dimming control method and also freely switch between DALI control and 0/1-10V control.

- 1) two-channel (2 \times 6) dual DALI dimming – keep both jumper wires.
- 2) two-channel (2 \times 6) dual 0/1-10V dimming - remove both jumper wires.
- 3) two-channel (2 \times 6) with Sensor 1 using DALI dimming, and Sensor 2 using On/Off or 0/1-10V dimming - remove red wire, keep brown wire.
- 4) two-channel (2 x 6) Sensor 1 using On/Off or 0/1-10V dimming, and Sensor 2 using DALI dimming - remove brown wire, keep red wire.

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!

Ceiling Rose

Ceiling rose QCCR02 can be used when there is a need to take power and dimming signal from a conduit box. The installation-friendly design comes with a very spacious termination space for really easy wirings.

Key Features:

- Can be freely placed or fixed with BESA/junction box
- Taking power from BESA/junction box
- 6-pole GST type connector (L, E, N, Em, Dim+, Dim-)
- Allowing fast connection with Hytronik quick connection box
- 15mm depth big cabling space
- 48-68mm pitch for conduit mounting
- Nominal current max. 16A
- Flame-retardant material for safety protection



*QCCR02 is supplied with white color housing by default. Black color housing can be supplied upon request.

Input & Output Terminal Function

Mechanical Structure & Dimensions

L (Brown)
E (Yellow/Green)
N (Blue)
Em (Black)
Dim (White)
Dim + (Red)

Secure QCCR02 with BESA/Junction box



Connection to Hytronik's QCBs



Power-supply Cable & Plug for Luminaires/QCBs Hytronik provides pre-assembled cable & plug. All cables are halogen free, low smoke emission and are factory connected.



Order Code:	Picture:	Description:	Page:
HP02/5B3M/150/LINECT	11/11	Wago 5-pole male & female connection, (Female-to-male extension) Black, 5-core, 3m cable length, Core size 1.5mm²	271
HP02/5B5M/150/LINECT	Ţ	Wago 5-pole male & female connection, (Female-to-male extension) Black, 5-core, 5m cable length, Core size 1.5mm²	271
HPO2/B		Wago 5-pole male connection with loose/free end, Black color plug only, without cable	272
HPO2/5B3M/100	aim	Wago 5-pole male connection with loose/free end, Black, 5-core, 3m cable length, Core size 1.0mm²	272
HPO2/5B3M/150	T	Wago 5-pole male connection with loose/free end, Black, 5-core, 3m cable length, Core size 1.5mm²	272
HPO2/5B5M/100		Wago 5-pole male connection with loose/free end, Black, 5-core, 5m cable length, Core size 1.0mm²	272
HPO2/5B5M/150	4	Wago 5-pole male connection with loose/free end, Black, 5-core, 5m cable length, Core size 1.5mm²	272
HPO3/W		GST type 5-pole male connection with loose/free end, White color plug only, without cable	272
HP03/5W3M/100	/irma	GST type 5-pole male connection with loose/free end, White, 5-core, 3m cable length, Core size 1.0mm²	272
HP03/5W3M/150		GST type 5-pole male connection with loose/free end, White, 5-core, 3m cable length, Core size 1.5mm²	272
HP03/5W5M/100	A	GST type 5-pole male connection with loose/free end, White, 5-core, 5m cable length, Core size 1.0mm²	272
HP03/5W5M/150		GST type 5-pole male connection with loose/free end, White, 5-core, 5m cable length, Core size 1.5mm²	272
HPO3/B		GST type 5-pole male connection with loose/free end, Black color plug only, without cable	273
HP03/5B3M/100		GST type 5-pole male connection with loose/free end, Black, 5-core, 3m cable length, Core size 1.0mm²	273
HPO3/5B3M/150		GST type 5-pole male connection with loose/free end, Black, 5-core, 3m cable length, Core size 1.5mm²	273
HPO3/5B5M/100		GST type 5-pole male connection with loose/free end, Black, 5-core, 5m cable length, Core size 1.0mm²	273
HP03/5B5M/150		GST type 5-pole male connection with loose/free end, Black, 5-core, 5m cable length, Core size 1.5mm²	273
HPO3/R		GST type 6-pole male connection with loose/free end, Red color plug only, without cable	273
HP03/6R3M/100	1	GST type 6-pole male connection with loose/free end, Emergency, Red, 6-core, 3m cable length, Core size 1.0mm ²	273
HPO3/6R3M/150		GST type 6-pole male connection with loose/free end, Emergency, Red, 6-core, 3m cable length, Core size 1.5mm ²	273
HP03/6R5M/100	*	GST type 6-pole male connection with loose/free end, Emergency, Red, 6-core, 5m cable length, Core size 1.0mm ²	273
HP03/6R5M/150		GST type 6-pole male connection with loose/free end, Emergency, Red, 6-core, 5m cable length, Core size 1.5mm²	273

Order Code: HP02/5B3M/150/LINECT)



Order Code: HP02/5B5M/150/LINECT



Description >>>>

- For use with QCB02/BLE series and QCB02
- Female-to-male extension
- Connecting to linect connection system
- Wago 5-pole male & female connection
- 5-core (L, E, N, Dim+, Dim-) (Brown, Yellow/Green, Blue, Red, White)
- Black color plug & Black color cable







Description >>>>

• Can be used as:

• For use with QCB02/BLE series and QCB02

Order Code: HP02/5B3M/100



-- Power supply to standard luminaire

-- Power supply to extend one QCB to another QCB

• Wago 5-pole male connection with loose/free end

• 5-core (L, E, N, Dim+, Dim-) (Brown, Yellow/Green, Blue, Red, White)

• Black color plug & Black color cable

Order Code: HP02/5B3M/150

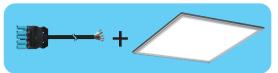
Order Code: HP02/5B5M/100



Order Code: HP02/5B5M/150



Can be supplied alone, so that user can connect to a stanndard luminaire.



Can be supplied with pre-wired QCB models (applicable model: QCB02/BLE series and QCB02), so that user can extend one QCB to another QCB.



Order Code: HP03/W



Order Code: HP03/5W3M/100



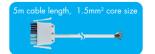
Order Code: HP03/5W3M/150



Order Code: HP03/5W5M/100



Order Code: HP03/5W5M/150



Description >>>>

• For use with QCB03/BLE series, QCB03, QCB03/ECO, SCB01/BLE, SCB02/BLE and SCB03.

- Can be used as:
 - -- Power supply to standard luminaire
 - -- Power supply to QCBs via ceiling rose QCCR02
 - -- Power supply to extend one QCB to another QCB
- GST type 6-pole male connection with loose/free end
- 5-core (L, E, N, Dim+, Dim-) (Brown, Yellow/Green, Blue, Red, White)
- White color plug & White color cable

Can be supplied alone, so that user can connect to a standard luminaire.



Can be supplied with pre-wired QCB/SCB models (applicable model: QCB03/BLE series, QCB03, QCB03/ECO, SCB01/BLE, SCB02/BLE and SCB03), so that user can connect to ceiling rose QCCRO2, or extend one QCB/SCB to another QCB/SCB.







Order Code: HP03/5B3M/100



Order Code: HP03/5B3M/150



Order Code: HP03/5B5M/100



Order Code: HP03/5B5M/150



Description >>>>

- For use with QCB03/BLE series,
 QCB03, QCB03/ECO, SCB01/BLE,
 SCB02/BLE and SCB03.
- Can be used as:
 - - Power supply to standard
 - - Power supply to QCBs via ceiling rose QCCRO2
 - -- Power supply to extend one QCB to another QCB
- GST type 6-pole male connection with loose/free end
- 5-core (L, E, N, Dim+, Dim-)
 (Brown, Yellow/Green,
 Blue, Red, White)
- Black color plug & Black color cable

Can be supplied alone, so that user can connect to a standard luminaire.



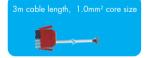
Can be supplied with pre-wired QCB/SCB models (applicable model: QCB03/BLE series, QCB03, QCB03/ECO, SCB01/BLE, SCB02/BLE and SCB03), so that user can connect to ceiling rose QCCR02, or extend one QCB/SCB to another QCB/SCB.



Order Code: HP03/R



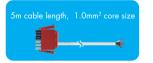
Order Code: HP03/6R3M/100



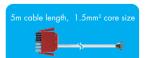
Order Code: HP03/6R3M/150



Order Code: HP03/6R5M/100



Order Code: HP03/6R5M/150



Description >>>>

- For use with QCB03/BLE series,
 QCB03, QCB03/ECO, SCB01/BLE,
 SCB02/BLE and SCB03.
- Can be used as:
 - -- Power supply to emergency luminaire
 - - Power supply to QCBs via ceiling rose QCCR02
 - -- Power supply to extend one QCB to another QCB
- GST type 6-pole male connection
 with loose/free end
- 6-core (L, E, N, EM, Dim+, Dim+)
 (Brown, Yellow/Green, Blue, Black, Red, White)
- Red color plug & White color cable

Can be supplied alone, so that user can connect to an emergency luminaire.



Can be supplied with pre-wired QCB/SCB models (applicable model: QCB03/BLE series, QCB03, QCB03/ECO, SCB01/BLE, SCB02/BLE and SCB03), so that user can connect to ceiling rose QCCR02, or extend one QCB/SCB to another QCB/SCB.



Dimming Products - - - Pre-wired Motion Sensor Options

HBMW29/PRO

Bluetooth + Presence Detection HF sensor with DALI-2 control



See pg. 137 for full details & specs information

Order code	Picture	Description
HBMW29/PRO+ HP05/1X1	8	1 pc HBMW29/PRO delivered with pre-installed sensor plug (for use with QCB02)
HBMW29/PRO+ HP06/2X1	8	1 pc HBMVV29/PRO delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO and SCB03)
Sensor + QCB model e.g. HBMW29/PRO+	8	(applicable QCB model: QCB02, QCB03, QCB03/ECC SCB03)
QCB03		e.g. HBMW29/PRO delivered with pre-installed QCB03

Please note: The length of cable is 3m by default. 5m cable length can be supplied upon request



Bluetooth (Tuya) + Presence Dete HF sensor with DALI-2 control



See pg. 147 for full details & specs information

Order code	Picture	Description
HBMW29/PRO/TY+ HP05/2X1	8	1 pc HBMW29/PRO/TY delivered with pre-installed sensor plug (for use with QCB02)
HBMW29/PRO/TY+ HP06/2X1	8	1 pc HBMW29/PRO/TY delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO and SCB03)
Sensor + QCB model e.g. HBMW29/PRO/TY+ QCB03		(applicable QCB model: QCB02, QCB03, QCB03/ECO, SCB03) e.g. HBMW29/PRO/TY delivered with pre-installed QCB03

Please note: The length of cable is 3m by default. 5m cable length can be supplied upon request

HBMW25/PRO with Dual-channel DALI-2 control

HBMW25/PRO

See pg. 138 for full details & specs information

Order code **Picture** Description

HBMW25/PRO+ HP05/2X1



1 pc HBMW25/PRO delivered with pre-installed sensor plug (for use with QCB02)

Sensor + QCB model e.g. HBMW25/PRO+ QCB03



(applicable QCB model: QCB02, QCB03) e.g. HBMW25/PRO delivered with pre-installed QCB03.

Please note: The length of cable is 3m by default. 5m cable length can be supplied upon request

HBIR29/2CH series

Bluetooth + PIR sensor with Dual-channel DALI-2 & relay control



Order code/Picture

Sensor + HP05/2X1 e.g. HBIR29/2CH+HP06/2X1

8

Description

(applicable sensor model: HBIR29/2CH, HBIR29/2CH/R, HBIR29/2CH/W)

eg. 1 pc HBIR29/2CH delivered with pre-installed sensor plug (for use with QCBO3)

Please note:

- 1. Optional sensor accessories can be purchased upon request
- 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HBIR29 series

tooth + PIR sensor with DALI-2 control



See pg. 140 for full details & specs information

Order code/Picture

Sensor + HP05/2X1 e.g. HBIR29+HP05/2X1



(applicable sensor model: HBIR29, HBIR29/R, HBIR29/W) e.g. 1 pc HBIR29 delivered with pre-installed sensor plug (for use with QCB02)

Description

Sensor + HP05/2X1 e.g. HBIR29+HP06/2X1



(applicable sensor model: HBIR29, HBIR29/R, HBIR29/W) e.g. 1 pc HBIR29 delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO and SCB031

Sensor + QCB/SCB model e.g. HBIR29+QCB03



(applicable QCB model: QCB02, QCB03, QCB03/ECO, SCB031

(applicable sensor model: HBIR29, HBIR29/R, HBIR29/W) e.g. HBIR29 delivered with pre-installed QCB03

Please note:

- 1. Optional sensor accessories can be purchased upon request
- 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

NEW! HBIR29/CA series

Bluetooth (Casambi) + PIR sensor with DALI-2 control



See pg. 149 for full details & specs information

Order code/Picture

Sensor + HP05/2X1

(applicable sensor model: HBIR29/CA, HBIR29/CA/R,

e.g. HBIR29/CA+HP05/2X1

HBIR29/CA/WI

Description



e.g. 1pc HBIR29/CA delivered with pre-installed sensor plug (for use with QCB02)



(applicable sensor model: HBIR29/CA, HBIR29/CA/R, HBIR29/CA/W) e.g. 1 pc HBIR29/CA delivered with pre-installed sensor



plug (for use with QCB03, QCB03/ECO and SCB03)

Sensor + QCB/SCB model e.g. HBIR29/CA+QCB03

(applicable QCB model: QCB02, QCB03, QCB03/ECO.



(applicable sensor model: HBIR29/CA, HBIR29/CA/R, HBIR29/CA/WI

e.g. HBIR29/CA delivered with pre-installed QCB03

- Please note: 1. Optional sensor accessories can be purchased upon request
 - 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HBIR31 series

Bluetooth + PIR sensor with DALI-2 control



See pg. 140 for full details & specs information

Order code/Picture

Sensor + HP05/2X1 e.g. HBIR31+HP05/2X1



(applicable sensor model: HBIR31, HBIR31/R, HBIR31/W) e.g. 1pc HBIR31 delivered with pre-installed sensor plug (for use with QCB02)

Description

Sensor + HP06/2X1 e.g. HBIR31+HP06/2X1



(applicable sensor model: HBIR31, HBIR31/R, HBIR31/W) e.g. 1pc HBIR31 delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO and SCB03)

Sensor + QCB/SCB model e.g. HBIR31+QCB03



(applicable QCB model: QCB02, QCB03, QCB03/ECO,

(applicable sensor model: HBIR31, HBIR31/R, HBIR31/W) e.g. HBIR31 delivered with pre-installed QCB03

Please note:

- 1. Optional sensor accessories can be purchased upon request
- 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HBHC25 series

Bluetooth + PIR sensor with Dual-channel DALI-2 control



See pg. 142 for full details & specs information

Order code/Picture

Description

Sensor +HP05/2X1 e.g. HBHC25+HP05/2X1



(applicable sensor model: HBHC25, HBHC25/R, HBHC25/W)

e.g. 1pc HBHC25 delivered with pre-installed sensor plug (for use with QCB02)

Sensor + QCB/SCB model e.g. HBHC25+QCB03



(applicable QCB model: QCB02, QCB03, QCB03/ECO. SCB03)

(applicable sensor model: HBHC25, HBHC25/R, HBHC25/W)

e.g. HBHC25 delivered with pre-installed QCB03

HBIR32 series

Bluetooth + PIR sensor with Dual-channel DALI-2 control



See pg. 142 for full details & specs information

Order code/Picture

Description

Sensor + HPO5/2X1 e.g. HBIR32+HP05/2X1

Please note:



(applicable sensor model: HBIR32, HBIR32/R, HBIR32/W) e.g. 1 pc HBIR32 delivered with pre-installed sensor plug (for use with QCB02)

Sensor + QCB/SCB model e.g. HBIR32+QCB03



(applicable QCB model: QCB02, QCB03, QCB03/ECO, SCB031

(applicable sensor model: HBIR32, HBIR32/R, HBIR32/W) e.g. HBIR32 delivered with pre-installed QCB03

Please note: 1. Optional sensor accessories can be purchased upon request

1. Optional sensor accessories can be purchased upon request

2. The length of cable is 3m by default. 5m cable length can be supplied upon request

2. The length of cable is 3m by default. 5m cable length can be supplied upon request

NEW!

HBMW38DC/PRO

Bluetooth + Presence Detection DC SELV HF Sensor for SCB01/BLE & SCB02/BLE



- 12-24VDC input
- Microwave (HF) detection
- True presence detection technology
- Bluetooth® 5.0 SIG Mesh
- RJ45 connection for use with SCB01/BLE and SCB02/BLE
- Robust HF antenna design against wireless interference
- Daylight sensor: photocell
- Max installation height: 3m
- Max detection range: \emptyset =8m (diameter)
- Max true presence detection range: $\emptyset = 8m$ (diameter)
- Sensor settings via mobile/tablet app & PC web platform
- Optional IP20/IP65 ceiling mount box accessory HA03
- Tool-free installation: removable terminal blocks and clips
- * Full Bluetooth features can be seen on page 03-09

Order code/Picture

Sensor + SCB model e.g. HBMW38DC/PRO + SCB01/BLE



Description

(applicable SCB model: SCB01/BLE, SCB02/BLE) e.g. HBMW38DC/PRO delivered with pre-installed SCB01/BLE

- 1. Optional sensor accessories can be purchased upon request
- 2. The RJ45 cable is not supplied in the package. User needs to purchase the RJ45 cable on his own.



NEW! **HBIR38DC** series

Bluetooth + DC SELV PIR Sensor for SCB01/BLE & SCB02/BLE



• Max height: 6m

detection range Ø =9m





HBIR38DC/R



• Max height: 6m • Max height: 6m delection range Ø =10m detection range: Ø = 18m

- 12-24VDC input
- Passive infrared (PIR) detection
- **Bluetooth**® 5.0 SIG Mesh
- RJ45 connection for use with SCB01/BLE and SCB02/BLE
- Daylight sensor: photocell
- Sensor settings via mobile/tablet app & PC web platform
- Optional IP20/IP65 ceiling mount box accessory HA03
- Optional blind insert / blanking plate accessory
- Tool-free installation: removable terminal blocks and clips
- * Full Bluetooth features can be seen on page 03-09

Order code

Picture

Description

Sensor + SCB model e.g. HBIR38DC + SCB01/BLE



(applicable SCB model: SCB01/BLE, SCB02/BLE) e.g. HBIR38DC delivered with pre-installed SCB01/BLE

- Please note: 1. Optional sensor accessories can be purchased upon request
 - 2. The RJ45 cable is not supplied in the package. User needs to purchase the RJ45 cable on his own.

HBIR13DC series

Bluetooth + DC SELV PIR Sensor for SCB01/BLE & SCB02/BLE



HBIR13DC/S

Surface Mount



• Flush Mount





Surface Mount Box HA07



Adjustable Angle

■ 12-24VDC input

- Passive infrared (PIR) detection
- **Bluetooth**[®] 5.0 SIG Mesh
- RJ45 connection for use with SCB01/BLE and SCB02/BLE
- Daylight sensor: photocell
- Max installation height: 15m (forklift) / 12m (human)
- Max detection range: Ø =24m (diameter)
- Sensor settings via mobile/tablet app & PC web platform
- IP65 (lens/facia part)
- * Full Bluetooth features can be seen on page 03-09

Order code

Picture

Description

Sensor + SCB model e.g. HBIR13DC/S + SCB01/BLE



(applicable SCB model: SCB01/BLE, SCB02/BLE) e.g. HBIR13DC/S delivered with pre-installed SCB01/BLE

- 1. Optional sensor accessories can be purchased upon request
- 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

Dimming Products - - - Pre-wired Motion Sensor Options



Presence Detection HF sensor with DALI-2 control



HMW27/PRO

See pg. 152 for full details & specs information

Order code **Picture** Description HMW27/PRO+HP05/2X1 1 pc HMW27/PRO delivered with pre-installed sensor plug (for use with QCB02) 1 pc HMW27/PRO delivered with pre-installed sensor HMW27/PRO+HP06/2X1 plug (for use with QCB03, QCB03/ECO, SCB03) (applicable QCB model: QCB02, QCB03, QCB03/ECO. SCB03) Sensor + QCB model e.g. HMW27/PRO+QCB03 e.g. HMW27/PRO delivered with pre-installed OCBO3

1. Optional sensor accessories can be purchased upon request

2. The length of cable is 3m by default. 5m cable length can be supplied upon request

NEW! HMW21/PRO

Presence Detection HF sensor with 1-10V control



HMW21/PRO

See pg. 151 for full details & specs information

Order code

Please note



Picture

1 pc HMW21/PRO delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO, SCB03)

Description

HMW21/PRO+QCB03

detection range Ø =18m

HMW21/PRO+HP06/2X1



(applicable QCB model: QCB03, QCB03/ECO, SCB031

e.g. HMW21/PRO delivered with pre-installed QCB03.

1. Optional sensor accessories can be purchased upon request

2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HIR27 series

ensor with DALI-2 control



See pg. 157 for full details & specs information

detection range Ø =1<u>0m</u>

Order code/Picture

Sensor + HP05/5X1

e.g. HIR27 + HP05/1X1



(applicable sensor model: HIR27, HIR27/R, HIR27/W) 1 pc HIR27 delivered with pre-installed sensor plug (for use with QCB02)

Description

Sensor + HP06/2X1 e.g. HIR27 + HP06/2X1



(applicable sensor model: HIR27, HIR27/R, HIR27/W) 1 pc HIR27 delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO, SCB03)

Sensor + QCB model e.g. HIR27+QCB03

(applicable QCB model:

QCB02, QCB03, QCB03/FCQ_SCB031 HIR27, HIR27/R, sensor model:

(applicable HIR27/W)

e.g. HIR27 series delivered with pre-installed QCB03

- 1. Optional sensor accessories can be purchased upon request
- 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HIR32 series

Max detection range Ø =9m

PIR sensor with Dual-channel DALI-2 control



See pg. 158 for full details & specs information

Order code/Picture

Description

Sensor + HP05/2X1 e.g. HIR32+HP05/2X1

(applicable sensor model: HIR32, HIR32/R, HIR32/W) 1 pc HIR32 delivered with pre-installed sensor plug (for use with QCB02)

eg. HIR32 series delivered with pre-installed QCB03.

Sensor + QCB/SCB model e.g. HIR32+QCB03

(applicable **QCB** model: QCB03/ECO, SCB03)

QCB03. HIR32. HIR32/R.

(applicable sensor model: HIR32/WI

1. Optional sensor accessories can be purchased upon request

2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HIM11/HIM12

HIM11: 1-10V + Tri-level Control; HIM12: 1-10V + Daylight Harvest



Order code **Picture** Description

Sensor + HP06/2X1 e.g. HIM11+HP06/2X1



(applicable sensor model: HIM11, HIM12)

1 pc HIM11 delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO and SCB03)

Sensor + QCB/SCB model e.g. HIM11+QCB03



(applicable QCB model: QCB02, QCB03, QCB03/ECO, SCB03)

(applicable sensor model: HIM11, HIM12)

e.g. HIM11 series delivered with pre-installed QCB03

- 1. Optional sensor accessories can be purchased upon request
- 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HIM14/HIM15

HIM14: DALI + Tri-level Control; HIM15: DALI + Daylight Harvest



Order code	Picture	Description
Sensor + HP05/2X1 e.g. HIM14+HP05/2X1		(applicable sensor model: HIM14, HIM15) 1 pc HIM14 delivered with pre-installed sensor plug (for use with QCB02)
Sensor + HP06/2X1 e.g. HIM14+HP06/2X1		(applicable sensor model: HIM14, HIM15) 1 pc HIM14 delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO and SCB03)
Sensor + QCB/SCB model e.g. HIM14+QCB03		(applicable QCB model: QCB02, QCB03, QCB03/ECO, SCB03) (applicable sensor model: HIM14, HIM15) e.g. HIM14 series delivered with pre-installed QCB03

- Please note: 1. Optional sensor accessories can be purchased upon request
 - 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HMW11/HMW12

HMW11: 1-10V + Tri-level Control; HMW12: 1-10V + Daylight Harvest



Order code	Picture	Description
Sensor + HP06/2X1 e.g. HMW11+HP06/2X1		(applicable sensor model: HMW11, HMW12) 1 pc HMW11 delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO and SCB03)
Sensor + QCB/SCB model e.g. HMW11+QCB03		(applicable QCB model: QCB02, QCB03, QCB03/ECO, SCB03) (applicable sensor model: HMW11, HMW12) e.g. HMW11 series delivered with pre-installed QCB03

- Please note: 1. Optional sensor accessories can be purchased upon request
 - 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HMW14/HMW15

HMW14: DALI + Tri-level Control; HMW15: DALI + Daylight Harvest



Order code	Picture	Description
Sensor + HP05/2X1 e.g. HMW14+HP05/2X1		(applicable sensor model: HMW14, HMW15) 1 pc HMW14 delivered with pre-installed sensor plug (for use with QCB02)
Sensor + HP06/2X1 e.g. HMW14+HP06/2X1		(applicable sensor model: HMW14, HMW15) 1 pc HMW14 delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO and SCB03)
Sensor + QCB/SCB model e.g. HMW14+QCB03		(applicable QCB model: QCB02, QCB03, QCB03/ECO, SCB03) (applicable sensor model: HMW14, HMW15) e.g. HMW14 series delivered with pre-installed QCB03

- Please note: 1. Optional sensor accessories can be purchased upon request
 - 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HMW21/HMW22

HMW21: 1-10V + Tri-level Control; HMW22: 1-10V + Daylight Harvest



Order code

Picture

Description

Sensor + HPO6/2X1 e.g. HMW21+HP06/2X1



(applicable sensor model: HMW21, HMW22) 1pc HMW21 delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO and SCB03)

Sensor + QCB/SCB model e.g. HMW21+QCB03



(applicable QCB model: QCB02, QCB03, QCB03/ECO,

(applicable sensor model: HMW21, HMW22) e.g. HMW21 series delivered with pre-installed QCB03

- Please note: 1. Optional sensor accessories can be purchased upon request
 - 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HMW24/HMW25

HMW24: DALI + Tri-level Control; HMW25: DALI + Daylight Harvest



Order code	Picture	Description
Sensor + HP05/2X1 e.g. HMW24+HP05/2X1		(applicable sensor model: HMW24, HMW25) 1 pc HMW24 delivered with pre-installed sensor plug (for use with QCB02)
Sensor + HP06/2X1 e.g. HMW24+HP06/2X1		(applicable sensor model: HMW24, HMW25) 1 pc HMW24 delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO and SCB03)
Sensor + QCB/SCB model e.g. HMW24+QCB03		(applicable QCB model: QCB02, QCB03, QCB03/ECO, SCB03) (applicable sensor model: HMW24, HMW25) e.g. HMW24 series delivered with pre-installed QCB03

- Please note: 1. Optional sensor accessories can be purchased upon request
 - 2. The length of cable is 3m by default. 5m cable length can be supplied upon request

HIR21/HIR22

HIR21: 1-10V + Tri-level Control; HIR22: 1-10V + Daylight Harvest



Order code Description Picture

Sensor + HPO6/2X1 e.g. HIR21+HP06/2X1



(applicable sensor model: HIR21, HIR22)

1 pc HIR21 delivered with pre-installed sensor plug (for use with QCB03, QCB03/ECO and SCB03)

Sensor + QCB/SCB model e.g. HIR21+QCB03



(applicable QCB model: QCB02, QCB03, QCB03/ECO, SCB03)

(applicable sensor model: HIR21, HIR22)

e.g. HIR21 series delivered with pre-installed QCB03

- Please note: 1. Optional sensor accessories can be purchased upon request
 - 2. The length of cable is 3m by default. 5m cable length can be supplied upon request