



Product catalogue

Easy,
flexible
and
futureproof



Products – 12

1 Qbus Stand-Alone – 14

- 1.1 Relay module – 16
- 1.2 Motor control – 17
- 1.3 Dimmers – 18
- 1.4 Energy Management – 21
- 1.5 Stand-Alone Accessories – 23

2 Qbus Full – 24

- 2.1 Controllers – 30
- 2.2 Relay Modules – 34
- 2.3 Motor Control – 38
- 2.4 Dimmers – 42
- 2.5 Input modules – 50
- 2.6 Interfaces – 54
- 2.7 Smart switches – 62
- 2.8 Sensors – 70
- 2.9 LED lighting – 78
- 2.10 Displays – 80
- 2.11 Videophones – 85
- 2.12 Wireless Easywave – 86
- 2.13 Wireless Zigbee – 87
- 2.14 Software – 88

3 Qbus Open – 91

- 3.1 Ubie – 92
- 3.2 OpenHab – 94
- 3.3 Home Assistant – 95

Services – 96

- Qbus system setup – 99
- Luqas setup – 99
- Luqas Charging Hub setup – 99



Qbus makes buildings smart

More peace of mind and less
energy consumption

Qbus is a Belgian company that has been developing products and solutions to make homes and buildings smart since 1999. A smart building offers more comfort and peace of mind to its residents, is more energy efficient and can be continuously adapted to the needs of its residents. More than 35,000 buildings in Belgium and abroad already use Qbus products.

Qbus offers various products and services that provide tailor-made solutions for its customers:

- **Qbus Stand-Alone**, the expandable basic installation with an All Off button.
- **Qbus Full**, a complete automation system with central intelligence.
- **Qbus Open**, by adding a gateway, it is possible to connect smart devices to Qbus. This makes Qbus part of a whole range of smart home systems. Via Ubiebox, this can be done in a plug-and-play manner.

One solution for smart homes...



Lighting

With Qbus, lighting becomes truly customised. Whether you need bright light for working, warm light for dining or soft light for relaxing: with one push of a button – or a tap on your smartphone – you can instantly create the right ambiance. Set personal ambiances, let lighting respond to presence or daylight, and avoid leaving lights on unnecessarily. This way, you always enjoy the perfect light and save energy and money without any effort.



Heating & cooling

With Qbus, every room is always at the right temperature – smart, comfortable and economical. You only heat and cool when and where it is needed, fully tailored to your daily routine. Thanks to built-in temperature sensors, you can control each room separately and avoid unnecessary consumption without compromising on comfort. With Qbus, you can enjoy a healthy, pleasant home and noticeable savings.



Multimedia

Connect music, lighting and smart devices and let your home move to your rhythm. From a 'Party' ambiance with your favourite music to peaceful morning tones: everything starts automatically or at the touch of a button. Qbus integrates audio from Sonos, Artsound or Denon and combines it with lighting and other technologies, so that every ambiance perfectly matches your day, mood and company.



Sun shading & curtains

Let daylight, privacy and warmth automatically follow your rhythm and save energy at the same time, without any effort. The blinds close automatically when there is too much wind. The slats are horizontal when the sun shines in. In winter, the curtains on the west side of the house open to catch the evening sun.



Access

Manage access to your home the way you want – securely, smartly and from anywhere. Whether you're sitting on the sofa or on the go, you can see who's ringing the doorbell, decide who to let in and open the door if necessary. Thanks to links with videophone systems and smart locks, you always remain in control without having to rush to the front door.



Safety

With Qbus, your home helps keep you safe – automatically, smartly and always on standby. Motion detection, smart lighting, self-protecting sun blinds and notifications in unusual situations ensure immediate action, without you having to do anything. Panic buttons and presence simulation provide extra peace of mind, both at home and when you are away. This allows you to live every day in a safe, carefree environment that thinks along with you.



Relaxation & wellness

A warm sauna after work, the swimming pool at the perfect temperature, or your jacuzzi ready when you get home. Plan your relaxation without unnecessary energy consumption. From filter pumps and water heating to mood lighting, ventilation and access to your wellness area: everything is intelligently controlled via Qbus.



Energy management

Get a grip on your energy – smart, efficient and comfortable. With Luqas from Qbus, you can automatically control your appliances so that they operate at the most economical times. You avoid peaks in your consumption and make maximum use of your solar energy. Batteries are charged when it is cheap and discharged when necessary, while your comfort remains unaffected. This saves you money and contributes to a smarter energy grid – simple, automatic and fully integrated into your home.

... and projects.



Residential

Give every flat a reliable, expandable smart base. Residents choose their own level of comfort, from simple light and screen control to full integration of heating, motion detection and energy management. Communal installations such as collective boiler rooms or charging stations can also be controlled smartly. Modular, reliable and ready for the future – a win-win for residents and project developers alike.



Hospitality

Smart experience for guests, efficiency for staff. With Qbus, you can create the perfect ambiance in hotels, restaurants and cafés: automatic lighting, climate control and control per room, space or time of day. Hotel rooms can be managed individually or centrally, fully ready upon arrival, while restaurants and cafés discreetly maintain the ambiance and functionality through smart, intuitive controls. Energy-efficient, user-friendly and future-oriented: Qbus combines comfort, experience and sustainability in one total solution.



Office

With Qbus, every office building becomes a future-proof, energyefficient workplace. From automatically adjusted lighting and climate control to smart access and charging points: everything works together to optimise comfort, flexibility and energy consumption. For building managers, this means less waste, complete control over technology and a simple overview for sustainable reporting.



Care

Care without worries. Automatic control of lighting, alarm buttons and access protects residents, prevents incidents and increases comfort. For managers, this means fewer worries and complete control over the building, while residents can live independently and carefree for longer.



Liberal professions

Smart practice, carefree private life. During consultations, lighting switches on automatically, the practice door is open and comfort is tailored to patients and staff. Outside opening hours, the system switches back to private mode: safe, quiet and energy efficient. With smart access control and energy sharing between practice and home, you don't have to worry about practical matters and can concentrate fully on your work and your home.



Retail

Smart shops, smart profits. Manage lighting, climate and energy in one or dozens of shops centrally and automatically. A Qbus system increases efficiency, reduces costs and makes management clear and simple. This allows shops to work smartly with staff and customers, while everything remains fully under control remotely.



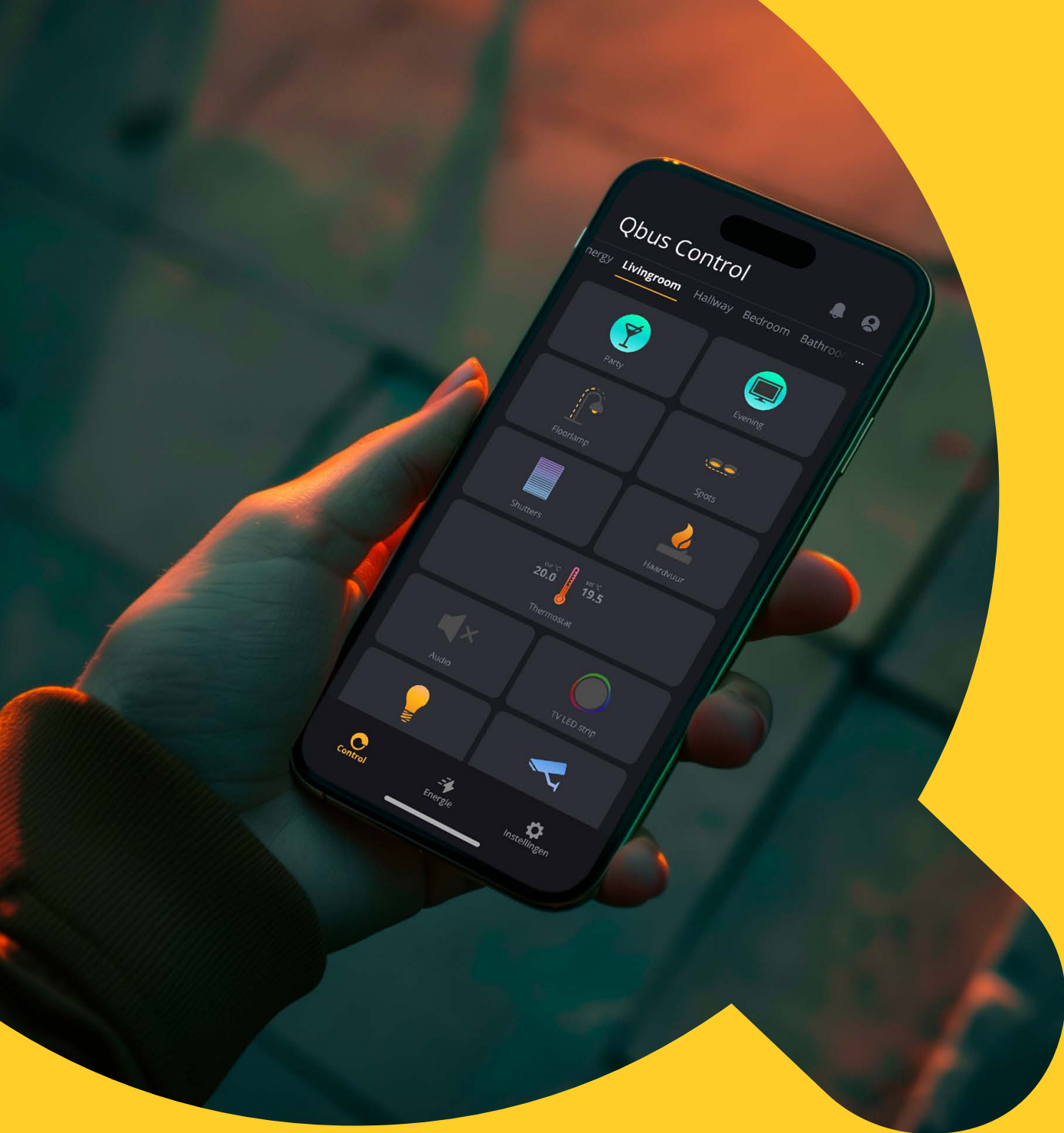
Sports centres

Make sports halls, swimming pools and sports clubs smarter and more energy efficient. Lighting, heating and other systems are automatically adjusted to reservations, zones and usage, so that lights and climate control are only active where and when needed. For managers, this means complete control, even remotely, easy intervention at smaller clubs, and flexible control when reorganising of spaces. This increases comfort for athletes, saves energy and reduces operational costs – a smart choice for any sports infrastructure.



Special projects

Customised automation for unique projects. Not every building or concept fits into standard categories, and some projects require exceptional solutions. By analysing specific needs and designing customised solutions, Qbus provides reliable, energy-efficient and user-friendly automation that ensures even unique projects function optimally, remain safe and are easy to manage.



Why Qbus? Easy, flexible and futureproof

Easy to configure

A Qbus system offers a simple solution to make your home smart. The Qbus Stand-Alone modules can be configured without PC; various settings can be easily adjusted using the buttons on the module. The Qbus configuration software for the Qbus Full system is available free of charge and is easy to use: we also provide training courses to help installers get started with Qbus configuration.

Easy to use

With Qbus Full, end users can use the free Qbus Control app or cloud to easily and intuitively control and view their smart home and make various adjustments themselves.

Easy to install

The Qbus Stand-Alone system consists of relay modules, dimmers and motor controls. All functions are connected to the Qbus modules via star topology.

The Qbus Full system is even easier to install. In a Qbus Full installation, power and communication are supplied to all connected Qbus modules via the Qbus two-wire bus. The Qbus two-wire bus has no polarity and can be laid in any topology (loop, tree, star or a combination of these). All this results in an extremely flexible, fast and easy installation.

Flexible

Customisable control via any switch, sensor, smartphone, tablet or PC

Any standard switch or push button can be used in a Qbus installation by means of an input module. In addition, Qbus has also designed smart switches with integrated sensors and coloured LEDs, available in Niko, BTicino, CJC, Lithoss, JUNG, SUMUM and Tastu designs. Windows, iOS and Android devices can also be used to control a smart Qbus building, view it or receive messages from it.

Future-proof

The modular solution remains compatible with original products and is continuously expandable, and has been since 1999.

A Qbus system can start with a limited installation but also offers extensive possibilities. For example, it is a piece of cake to expand from a Qbus Stand-Alone entrylevel system to a Qbus Full installation.

New developments also remain compatible with the original products. Our free software updates ensure that the modules in your installation can also support new functionalities and technologies.

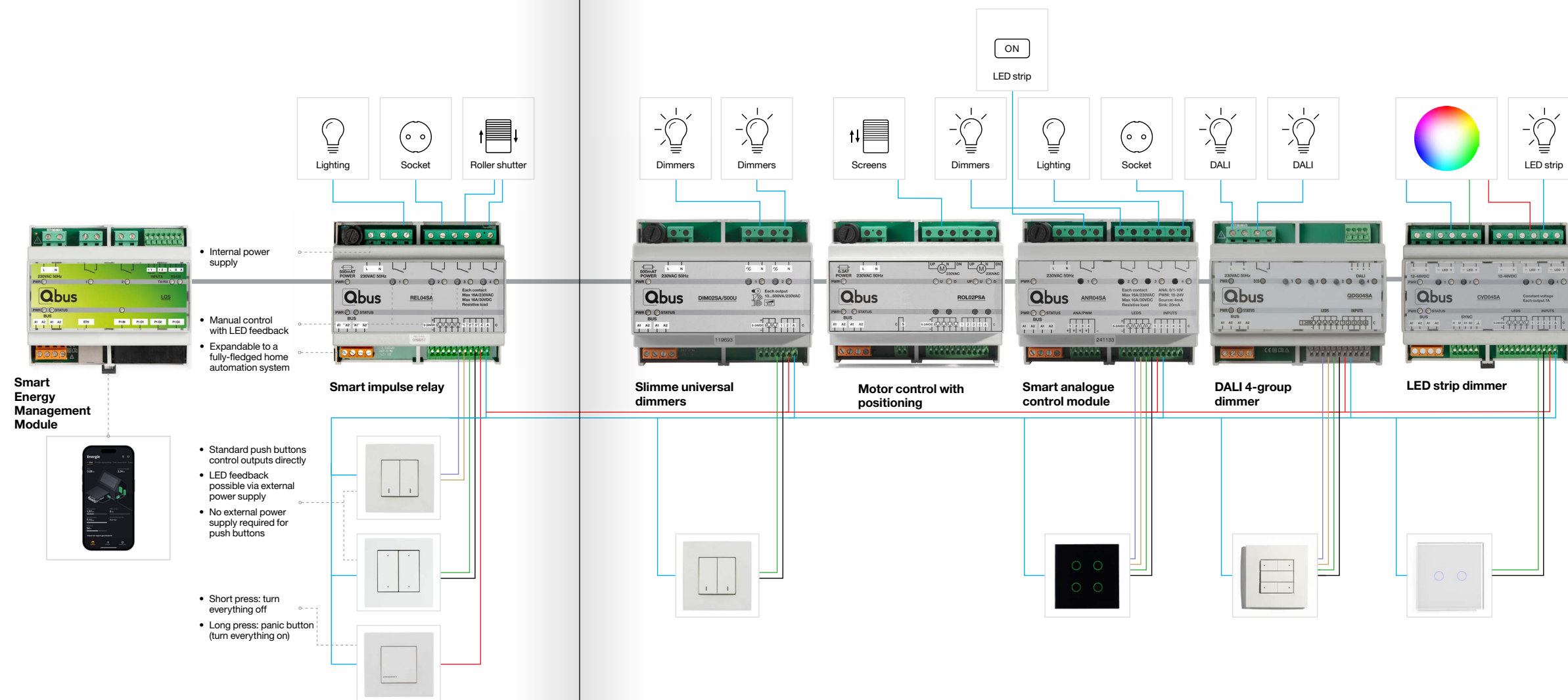


01

Products

**Prepare your home for the future
in an easy, affordable way**

The patented Qbus Stand-Alone (SA) range includes modules for switching screens, roller shutters, sockets and lighting , as well as dimming all types of lighting, with or without a cascade function. All Qbus SA modules can operate independently and offer limited home automation functionalities such as an All Off button and panic button, and even energy management is possible. Additional settings can be configured using the buttons. The Stand-Alone modules can also be connected to a Qbus controller to add extra Stand-Alone functions or to form part of a complete Qbus home automation installation.



All Stand-Alone Modules:

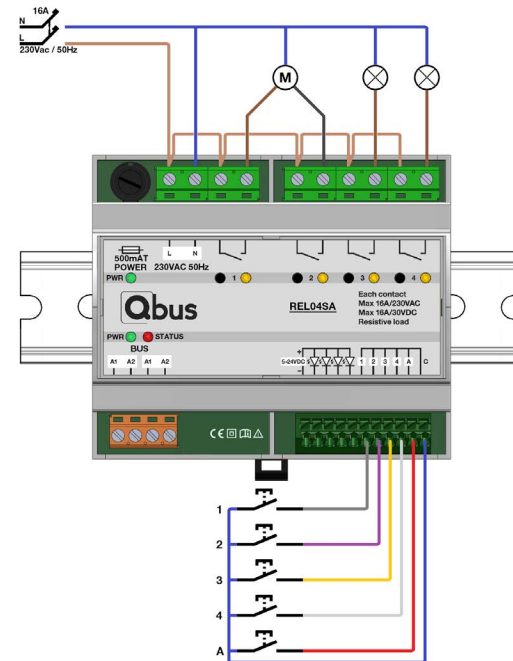
- Can be adjusted using buttons
- Can also be used in combination with a controller (Qbus Full)

1.1 Relay module

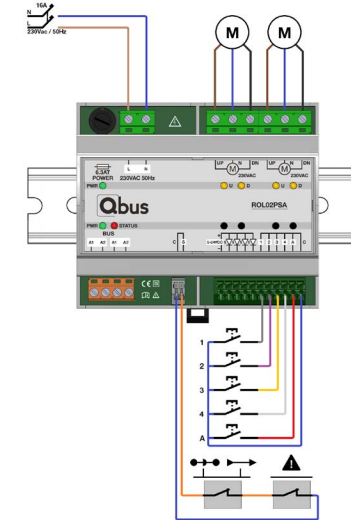
Four-channel smart relay module with potentialfree outputs

Item code: REL04SA

- Contains 4 x 16A switched potential-free outputs and 5 inputs, including 1 All Off / Panic button
- Can also be used to control motors
- Additional functions can be set via temporary connection to controller: modification of all off/panic button, forget timer function and running times.



1.2 Motor control

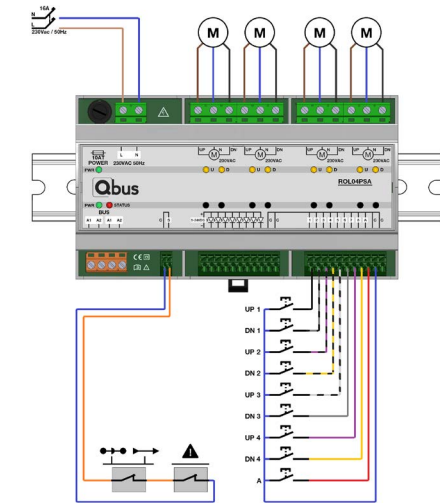


MODULES FOR MOTOR CONTROL

Control module for 2 motors (with or without slats) with positioning

Item code: ROL02PSA

- 4 inputs for motor control and 1 input for all off/panic button
- For controlling 2 230V motors for screens, roller shutters, sun blinds, etc.
- Includes safety input for connecting a weather sensor so that the UP output is activated in case of excessive wind/rain, window contact, window open, etc.
- Additional functions can be set via temporary connection to controller: change of all off/panic button and running times.



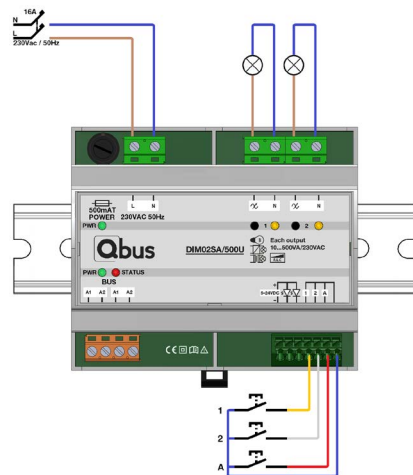
MODULES FOR MOTOR CONTROL

Control module for 4 motors (with or without slats) with positioning

Item code: ROL04PSA

- 9 inputs for motor control and 1 input for all off/panic button
- For controlling 230V motors for screens, roller shutters, sun blinds, etc.
- Includes alarm contact for connecting a weather sensor so that the UP output is activated in case of excessive wind/rain, etc.
- Additional functions can be set via temporary connection to controller: modification of all off/panic button and running times.

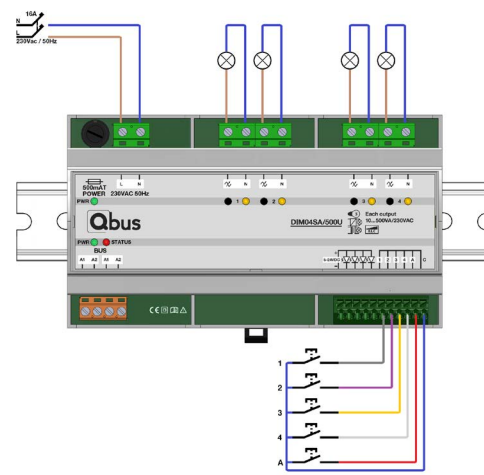
1.3 Dimmers



Two-channel (Stand-Alone) universal dimmer

Item code: DIM02SA/500U

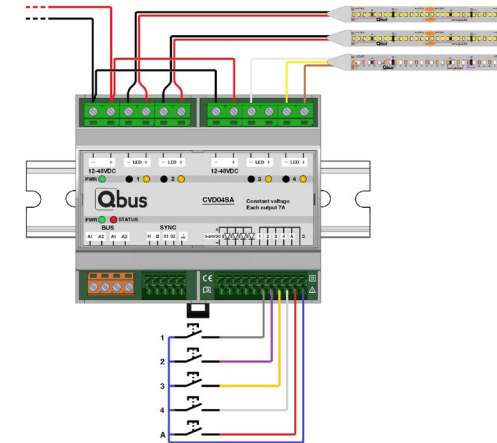
- Dims 2 circuits from 10-500VA
- For halogen lamps, electronic and classic transformers, incandescent lamps, dimmable energy-saving lamps and 230V LEDs
- Additional functions can be set via temporary connection to controller: change of all off/panic button, and other dimmer settings.



Four-channel (Stand-Alone) universal dimmer

Item code: DIM04SA/500U

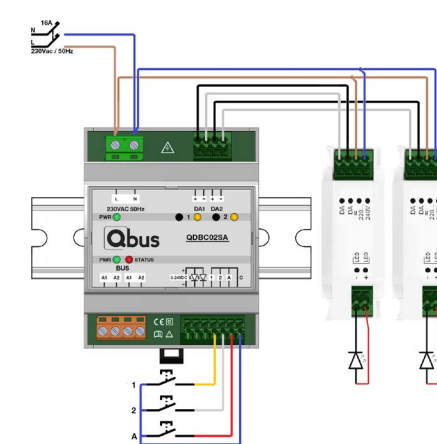
- Dims 4 circuits from 10-500VA
- For halogen lamps, electronic and classic transformers, incandescent lamps, dimmable energy-saving lamps and 230V LEDs
- Additional functions adjustable via temporary connection to controller: change everything off/panic button, and other dimmer settings.



Four-channel (Stand-Alone) highfrequency dimmer for LED strips with constant 12-48Vdc power source

Item code: CVD04SA

- Has 4 PWM outputs for dimming LED strips at 2 KHz
- Dimmer can be set to dim warm white, cool white (2 outputs together), RGB (3 outputs together) or RGBW (4 outputs together)
- No stroboscopic effect and constant colours, even at low dimming values
- A 12-48Vdc power supply can be used for every two channels
- Via the "sync" inputs and outputs, different modules can control synchronised LED strips (also in Stand-Alone mode)
- Additional functions can be set via temporary connection to the controller: change everything off/panic button, and other dimmer settings.

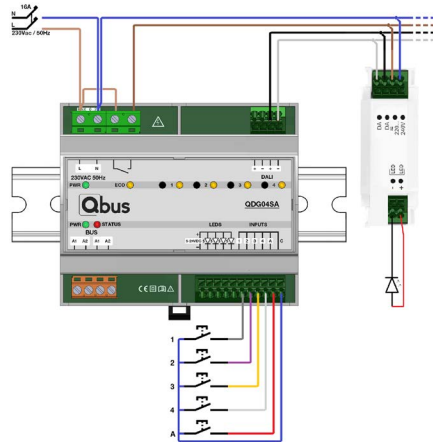


Stand-Alone DALI broadcast dimmer

Item code: QDBC02SA

- Module for dimming 2 DALI light circuits, without programming
- Dims up to 64 DALI devices distributed over 2 DALI circuits
- Additional functions can be set via temporary connection to controller: change everything off/panic button, and other dimmer settings.

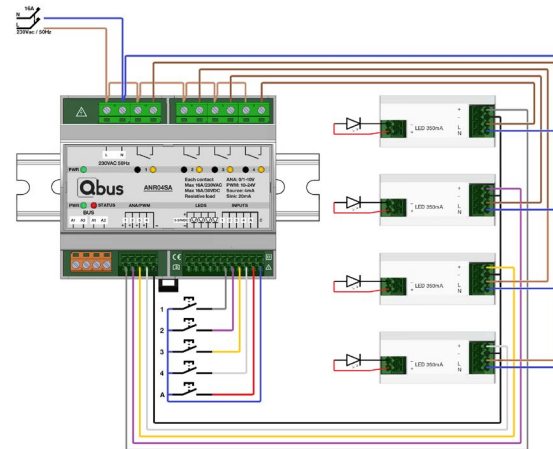
1.3 Dimmers



Stand-Alone DALI four-group dimmer

Item code: QDG04SA

- Module for dimming 4 DALI lighting circuits, without programming
- Dims up to 64 DALI devices distributed across 1-4 groups on the same DALI circuit
- Additional functions can be set via temporary connection to controller: change of all off/panic button and other dimmer settings.



Four-channel (Stand-Alone) analogue control module for dimming and/or switching

Item code: ANR04SA

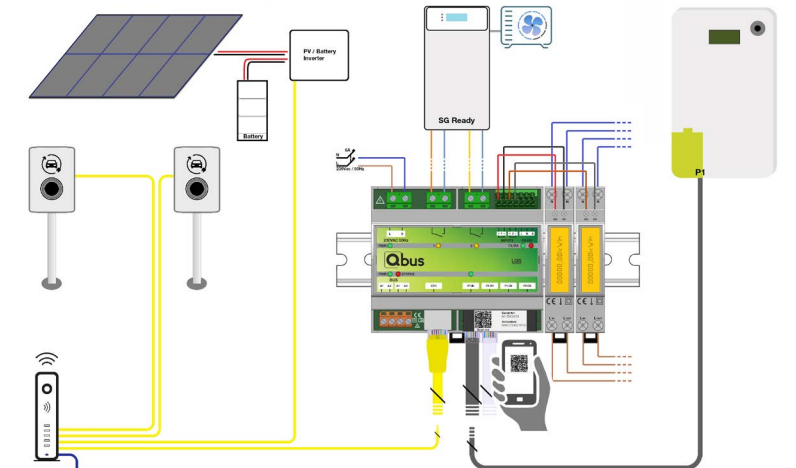
- Has 4 outputs that can be used as analogue dimmers (0/1-10V or PWM) or as relay outputs
- Additional functions can be set via temporary connection to controller: change everything off/panic button and other dimmer settings.

1.4 Energy management

Luqas, smart energy management module

Item code: LQS06SA

- Smart control of inverter, battery, heat pump/boiler and up to two charging stations based on dynamic energy rates.
- Imbalance market integration: optimises consumption and storage according to market signals for maximum savings.
- Advanced measurements: integrated consumption and weather forecast, with P1 splitter (1 IN / 3 OUT), Modbus TCP/IP and RS485 for future connections.
- Sun Only charging function: charge your car only with surplus solar energy.
- Energy insights: monthly reports with personalised tips and optional dashboard with historical data, notifications and email alerts.
- Ease of use: simple configuration via QR code and automatic firmware updates for new features.



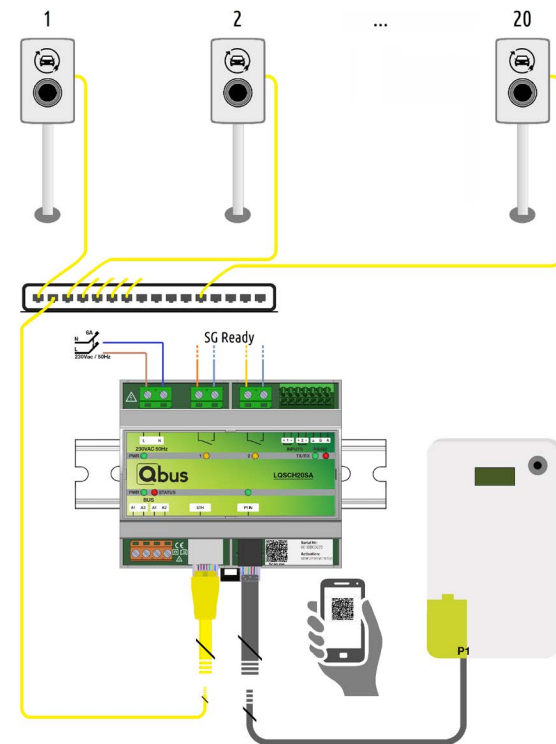
1.4 Energy management

Luqas Charging Hub up to 20 charging points

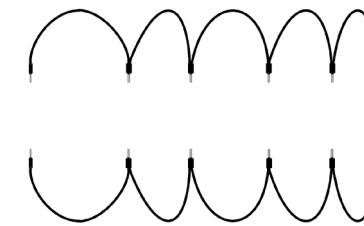
Item code: LQSCH20SA

This module dynamically controls up to 20 charging points based on available energy, solar generation, quarter-hourly peak and customer preferences. Separate kWh meters can be connected so that the integrated, multiple load protection can ensure safe and optimal operation of each charging point. Each charging point can be controlled separately and a priority setting can be configured.

- DIN rail module
- Dynamic charging station control for up to 20 charging points
- Give priority to specific charging points
- Multiple load protection
- Combined control of charging station, battery and heat pump based on capacity tariff and energy storage



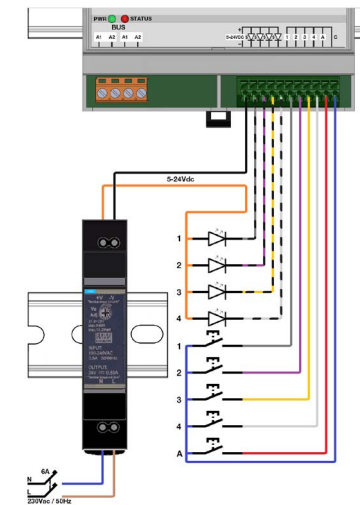
1.5 Stand-Alone accessories



CAN bridges

Item code: CABREL08-CON

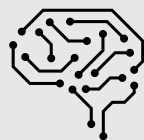
- CAN bridge for 2x REL04SA
- CAN bridge for 2x ANR04SA
- CAN bridge for 1x REL08
- Wire section 1.5 mm²



Power supply for 24Vdc LED feedback on Stand-Alone push buttons

Item code: LEDPWS/24.015

- The CTD power supply must not be used for other applications. Place this additional power supply in front of SA push buttons.



Qbus Full

A Qbus Full installation seamlessly integrates energy management, heating, cooling, ventilation, security, lighting, screens, gates, audio and much more. The Qbus system is easy to install, can be easily operated and controlled from any switch, tablet, smartphone or PC, and is continuously expandable.

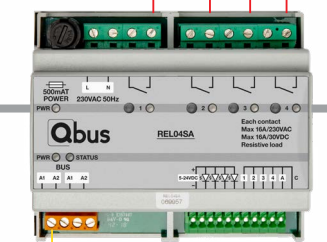
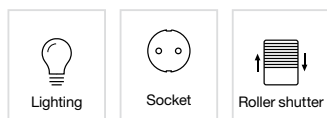
A complete automation system with central intelligence for greater comfort and lower energy consumption.

The Qbus modules form a single, easily integrated system instead of separate control solutions. All the different technologies within the home or building are seamlessly connected via a 2-wire bus cable. Communication between all these technologies is controlled by a smart, central Qbus Controller.

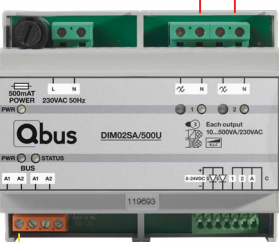
Qbus offers an endless platform of products and solutions that meet your specific needs and thus satisfy the most demanding customer requirements.



- The Qbus controllers: the heart of the installation, for small and large installations



- Relay modules for controlling lighting, screens, ventilation, etc. Choice of ON/OFF, Up/Down, Timers, etc.

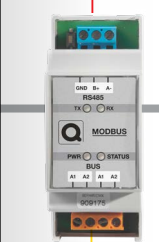


- Dimmer modules for dimming all possible dimmable lighting, fans, valves, etc. For all light sources and different control protocols (universal, 0/1-10V, DALI, DMX, etc.)

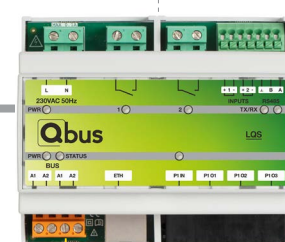
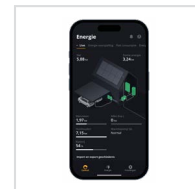


- DALI Master

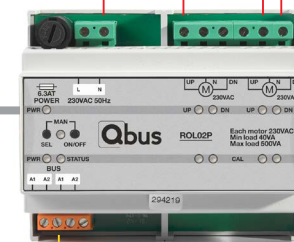
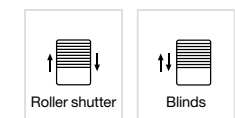
- Qbus weather station (sun direction, light level, rain, snow, wind, temperature)



- Connection modules to HVAC systems such as Daikin, Duco, Nibe, Thermia, Toshiba, etc.

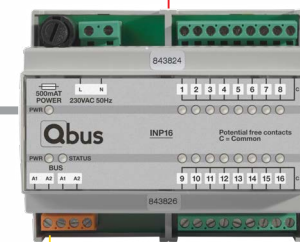


- Coupling module for a digital meter for smart control of charging stations, heat pumps and boilers.

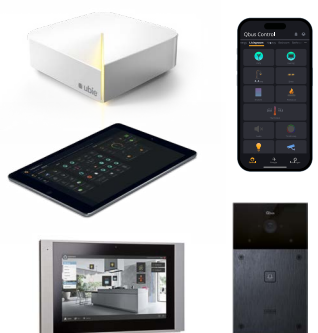


- Motor control with positioning: for screens/roller shutters/awnings/curtains with or without slat control

- Connection of external detectors, sensors, switches, etc.



- Interface between Qbus and wireless protocols such as Easywave and Zigbee



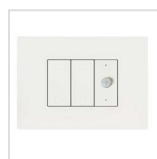
- Connection for touch screen, Ubie, Qbus Control, external video intercom



- Smart switch (Niko design)



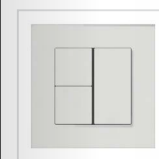
- Connection with standard switch



- Smart switch with motion, temperature and light sensor. (BTicino design)



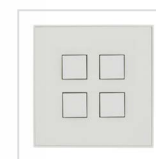
- Smart switch (SUMUM design)



- Smart switch with temperature sensor (JUNG design)



- Smart switch (CJC design)



- Smart switch (Lithoss design)



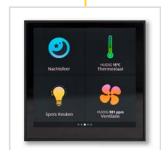
- Motion and light detector



- Motion and light detector



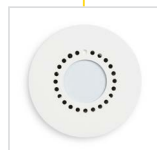
- Smart switch with temperature sensor (Tastu design)



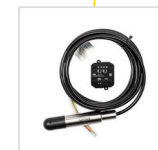
- RoomMate Display Black



- Outdoor motion detector, light, temperature



- Smart sensor for motion, light and CO₂, humidity and temperature



- Liquid sensor: measures water or fuel levels light sensor



- Motion and light sensor for installation in cupboard, skirting, etc.



- Decentralised analogue dimmer



- Energy counter module



- Decentralised switching module for ON/OFF or Up/Down control



Tips for a successful Qbus Full installation

1. Controller

1.1 Power supply

Provide a separate C6A fuse for the controller. The power supply for the CTD is provided via a stabilised 18VDC/3A power source. (ref. CTDPWS/DIN standard included in the CTD delivery)

1.2 Network connection

For configuration, you can connect the PC directly using a network cable. The CTD does not connect wirelessly. If you wish to use online control or program via the project's network/Wi-Fi, connect the controller (temporarily or permanently) to the router or switch of the local network.

For more information, visit www.qbus.be and consult the catalogue for all technical information.

2. Bus cabling

1. Always use a shielded bus cable with a minimum effective wire cross-section of $2 \times 1 \text{ mm}^2$.
2. The EIB cable is the recommended cable.
3. To achieve the required cross-section:
 - a. twist white + black together
 - b. twist red + yellow togetherThis way, each pair of wires forms an effective 1 mm^2 wire crosssection.
4. Take into account the following maximum bus distances:
 - a. Closed loop: 400m → Most suitable
 - b. Star or tree structure: 100 m (modules connected spread out over the length)
 - c. Branches from the main line: max. 30 m
5. No polarity on the modules to be connected to the bus
6. There are multiple physical bus connections on one controller. This means that multiple loops can be drawn for larger projects. If you have any doubts or questions, please contact Qbus.

3. Modules/Bus participants

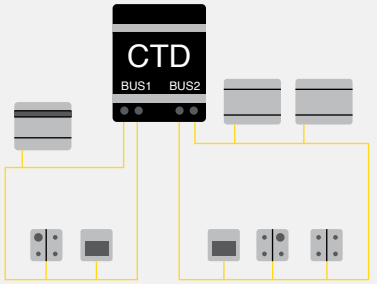
3.1 Serial numbers

Each Qbus module/bus participant has a unique serial number. These are printed on a sticker on the packaging of each product as well as on the product itself. You will need this serial number for configuration purposes.

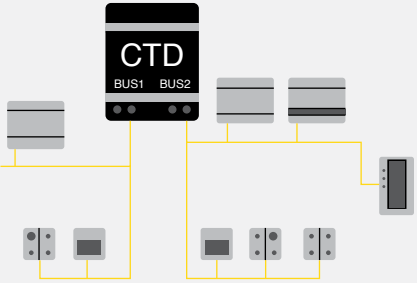
3.2 Write down serial numbers

It is important to note the serial numbers before starting the Qbus programming. These must be entered during programming.

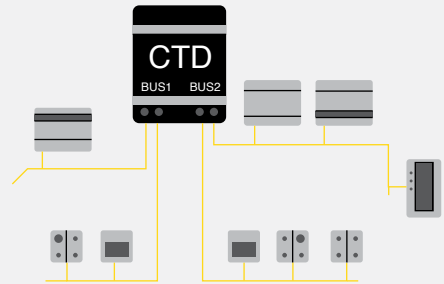
Closed loop



Tree structure



Star structure



Technical specifications Qbus two-wire bus:

- No polarity
- Any topology
- Bidirectional and simultaneous communication
- Current bus principle = high interference immunity

Qbus two-wire bus requirements:

- Any shielded cable with a cross-section of $2 \times 1.0 \text{ mm}^2$
- Maximum distance between the controller and the furthest module on the bus:
 - In closed loop (most suitable): 200 metres (=400- metre loop). An extension may even be provided on the loop if it is no more than 30 metres and if the total distance between the controller and the furthest module is no more than 200 metres.
 - In star or tree structure: maximum distance between controller and furthest module on the bus: 100 metres

Use RC circuit in case of poor communication. Contact Qbus Support for advice.

Controllers

The smart central Qbus Controller is the heart of a Qbus Full installation. The controller provides both control and power supply for all Qbus modules connected to it via the two-wire bus. This two-wire bus has no polarity and can be laid in any architecture (loop, star, tree): it couldn't be more flexible or easier.

The core of your Qbus Full installation

With a Qbus controller, your smart home or building has access to ambiances, clock times, logical functions, presence simulation, astronomical clock, event logging, etc. All controllers also have a network port through which the installation can be controlled and visualised with Qbus Control.

Qbus Control allows you to view and control your home from anywhere in the world on any platform (iOS, Windows, Android). If desired, your Qbus controller can even send emails, push notifications or text messages when the children come home, water consumption goes through the roof or the motion detector at grandma's house has detected an alarm situation.



	CTD10	CTD40	CTDmax
Power supply	18VDC/3A (supplied with Controller)		
Bus output (per bus)	18Vdc/2x1000mA	18Vdc/2x1000mA	18Vdc/2x1000mA
Typical consumption (no-load bus)	2W		
# modules per controller (approximate)	10	40	+/-150
# bus connections	2		
Housing	DIN-rail		
Dimensions (hxxxl)	4 modules (72mm) + 4 modules (72mm)		
LED indication	Voltage, Current: green = OK; red/orange see technical data sheet Bus communication: red = receiving data from bus, green = sending data to bus ETH communication: green during data transfer		
Communication options	Ethernet		
Logical functions	Boolean logic (IF, THEN, ELSE) and analogue logic (<,>,-,+,x,/)		
Number of ambiances	92		
Number of clock times	100		
Presence simulation	YES		
Astronomical clock	YES		
On-board memory	32G SD card for storage of system configuration and communication data		
Expansion options	1-4 x EXP 15	1-2 x EXP 15	Not possible; CTD is max.
Operating temperature	10°C - 50°C		
Storage temperature	-10°C tot 60°C		
Maximum humidity	93%, no condensation		
Protection rating	IP20, EN 60529		



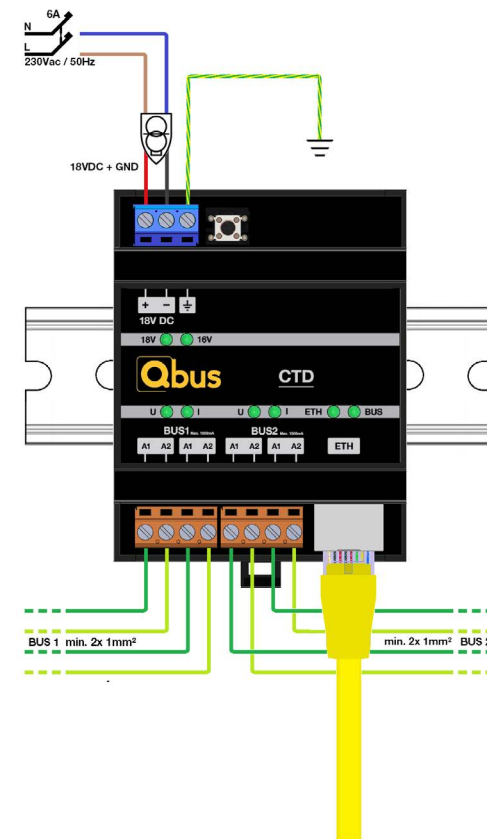
2.1 Controllers

Qbus Controller

Item code: **CTD10, CTD40 and CTDmax**

- CTD10 = Controller for 10 Qbus modules (expandable). Includes power supply and Qbus Cloud control
- CTD40 = Controller for 40 Qbus modules (expandable). Includes power supply and Qbus Cloud control
- CTDmax = Controller for an average of 2 x 75 Qbus modules, incl. power supply and Qbus Cloud control 2x bus 1000mA
- Compatible with every installation since 1999
- CTD10 and CTD40 can be expanded with EXP15 expansion cards
- Network port for programming

* Module = Qbus bus participant such as switches, sensors and DIN modules ...



Expansion card (EXP15) for Qbus controller (CTD10/CTD40)

The Qbus Controllers CTD10 and CTD40 can be easily expanded using an expansion card (EXP15). Each expansion card allows 15 additional modules to be connected. Once 4 expansion cards have been added to the CTD10 or 2 expansion cards to the CTD40, these controllers become a fully-fledged CTDmax. Thanks to this system, the CTD can grow along with the installation.

How to expand a controller?
See the technical data sheet
or scan the QR code.



Qbus

**Qbus Controller
Expansion**



Relay modules

Outputs can be switched using relay modules. These modules are used to control lighting, ventilation, screens, heating, gates, etc.

Choose the function of your output module yourself.

The Qbus relay modules do not have a specific function – this is determined by the application for which they are used. For example, a relay output can serve as a normal on/off switch, but also as a push-button output that is only active as long as the button is pressed (such as a doorbell), or as a timer that only switches the output on for a certain period of time. It is even possible to use relay outputs to control motors (curtains, screens, awnings, etc.).

		REL02/DEC	REL04SA	REL08	PGM01
Power supply		Bus power supply	230Vac, +/-10%, 50Hz		230Vac +/-10%, 50Hz
Max. fuse		8A	16A/2P		C10A/2P
Bus charge		At rest without LEDs 5mA. At rest with LEDs 8mA. At full load without LEDs 16mA, with LEDs 20mA.	10mA at nominal voltage 13.8V		2mA at nominal voltage 13.8V
Typical consumption (all outputs active)		8mA bus	4,15VA	6,45VA	20mA
Internal fuse		None	500mAT single phase	100mAT single phase	500mA
Breakdown voltage		4,500V, 1.2 x 50 µs	Tested at 3 kVac		tested at 3 kVac
Casing		Plastic housing for installation in flush-mounted box	DIN-rail		Plastic, self-extinguishing in accordance with UL94-V0
Type		OUT1 - OUT2: 2 potential-free NO contacts	OUT1 - OUT4: 4 potential-free NO contacts	OUT1-OUT8: 8 potential-free changeover contacts	OUT1 - OUT4: 4 potential-free NO contacts
Maximum power		8A at 230 VAC / 30 VDC	per output: 16A at 230 Vac; 16A at 30 VDC		10A at 230Vac / 5A at 30VDC
Maximale charge		Resistive load (cosϕ = 1) 8A at 230Vac / 30 VDC. Inductive load (cosϕ = 0.4; L/R = 7ms) 3.5A at 230 Vac / 30 VDC	Per output: Resistive load (cosϕ = 1) 16A at 230Vac / 30 VDC. Inductive load (cosϕ= 0.4; L/R = 7ms) 8A at 230 Vac / 30 VDC.		Resistive load (cosϕ= 1) 2300VA at 230Vac, 150W at 30Vdc. Inductive load (cosϕ = 0.4; L/R = 7 ms) 1840VA at 230Vac, 150W at 30Vdc
Maximum switching voltage		250 VAC, 125 VDC	250 VAC, 125 VDC		230VAC
Set / reset time		15ms max / 5ms max	15ms max / 5ms max		15ms max / 5ms max
Service life		min. 100,000 operations	20 million mechanical operations		20 million operations
LED indicator		-	Green LEDs: 230V/bus present, Red LED: flashes during start-up and programming, Orange LEDs: On when output is active		-
				Orange LEDs: On when output is active, flashes when status is manually overridden	
Number of inputs		2 potentiaalvrije contacten met LED-indicatie	5 potential-free contacts, including All On/All Off input. With additional 5- 24VDC power supply, also LED indication of the inputs.	-	4 potential-free contacts
Input function		Configureerbaar via systemmanager III	Push button: relay changes when the input is closed and reopened (default setting in Stand-Alone mode). Normally Open: input open → relay open, input closed → relay closed (e.g. bell button). Normally Closed: input open → relay closed, input closed → relay open. Switch: relay changes with every change to the input. - Switch: on/off function	-	Configurable via System Manager III
Dimensions		12mm x 49mm x 49mm	6 modules (107mm)	9 modules (161mm)	6 modules (107mm)

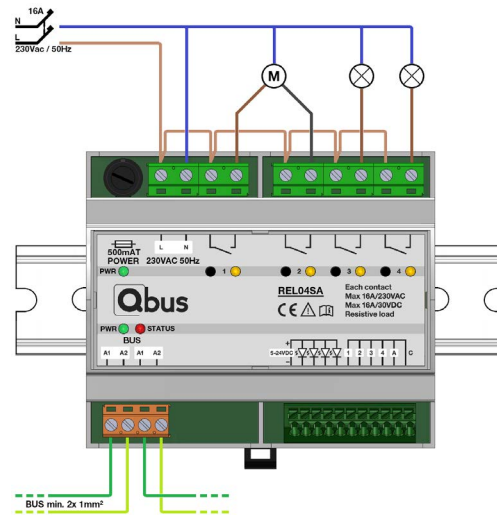
2.2 Relay modules



Decentralised two-channel relay module

Item code: **REL02/DEC**

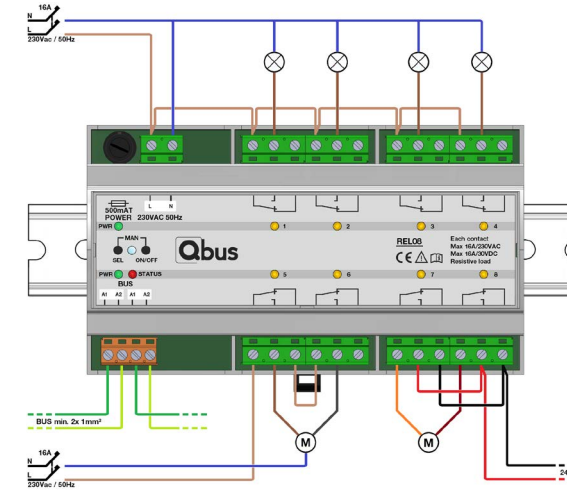
- Contains 2 x 8A switched outputs and 2 inputs
- This module fits into a flush-mounted box and is powered by the Qbus



Four-channel relay module

Item code: **REL04SA**

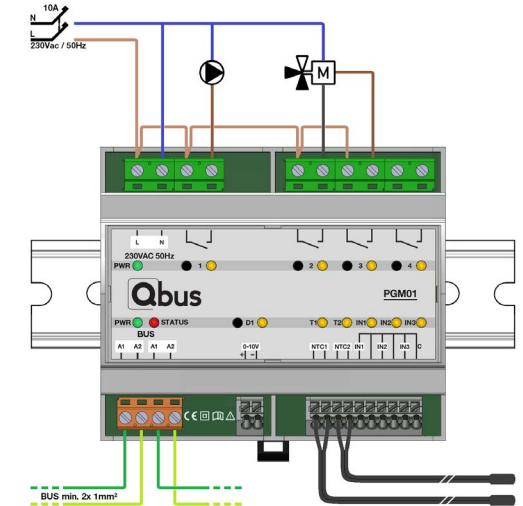
- DIN rail module
- Contains 4 x 16A switched outputs and 5 inputs, including 1 All Off / Panic button
- Module can be used both Stand-Alone and in combination with a controller (Qbus Full)



Eight-channel switching module

Item code: **REL08**

- DIN rail module
- Contains 8 x 16A switched outputs



Pump group module for one pump group

Item code: **PGM01**

- DIN rail module
- Contains 4 x 10A switched outputs, 1 x 0-10V analogue output, 2 x NTC temperature measurement and 3 potential-free inputs
- Suitable for controlling one pump group or a local convector

Motor control

With a Qbus system, motor control can be decentralised or centralised, with or without positioning. Qbus has motor control modules that can be used on their own, as well as modules that are only used in a Full Qbus installation.

Control screens, roller shutters, sun blinds, position slats

Standard 230V motors can be controlled via the Qbus motor control modules, allowing you to operate curtains or roller shutters. Screens and sun awnings can be automatically positioned according to sunlight, rain, wind, etc.

	ROL01/DEC		ROL02PSA	ROL04PSA	REL04SA / REL08
Power supply		Bus power supply	230Vac, +/-10%, 50Hz		These modules can also be used to control motors. Via the settings, two outputs can be linked internally to control UP and DOWN. See technical details under Relay Modules.
Max. fuse rating		6A	16A/2P		
Bus charge		At rest without LEDs 5mA. At rest with LEDs 8mA. At full load without LEDs 16mA, with LEDs 20mA.	10mA at nominal voltage 13.8V		
Typical consumption (all outputs active)		5mA bus			
Internal fuse		None	6,3 AT		
Breakdown voltage		4,500 V, 1.2 x 50 µs	Tested at 3kVac		
Casing		Plastic housing for installation in flush-mounted box	DIN-rail		
Type		UP - DN: 230V. UP - DN: internally linked contacts	UP1/2 - DN1/2: 230V. UP1- DN1 and UP2 - DN2: internally linked contacts	UP1/4 - DN1/4: 230V. UP1 - DN1, UP2 - DN2, UP3 - DN3, UP4 - DN4: internally linked contacts	
Maximum power		2.15A per output (500VA)	2.15A per output (500VA)		
Maximum charge		Resistive load (cosϕ = 1) 8A at 230Vac / 30 VDC. Inductive load (cosϕ = 0.4; L/R = 7ms) 3.5A at 230 Vac / 30 VDC			
Maximum switching voltage		250 VAC, 125 VDC	250 VAC		
Service life		Min. 100,000 operations	20 million mechanical operations		
LED indicator		-	Green LED = power supply Red LED = 2 seconds during start-up and during programming. Orange LED: flashes slowly = roller shutter not calibrated. Flashes quickly during calibration. UP/DN: Up1 / Down 1; Up 2 / Down 2.		
Number of inputs		2 potential-free contacts with LED indication	5 potential-free contacts, including All ON/All OFF input with additional 5-24 VDC power supply, also LED indication of the inputs. 1 safety input (NC) for connecting weather sensors	9 potential-free contacts, including All ON/All OFF input. With additional 5-24 VDC power supply, also LED indication of the inputs. 1 safety input (NC) for connecting weather sensors	
Input function (configurable via configuration software)		Push button: open when not active (e.g. doorbell). Normally Open: open when not active. Normally Closed: closed when not active. Switch: on/off function.	Push button: relay changes when the input is closed and reopened (default setting in Stand-Alone mode). Normally Open: input open relay open, input closed relay closed (e.g. bell button). Normally Closed: input open relay closed, input closed relay open. Switch: relay changes with every change of the input. - Switch: on/off function		
Dimensions		12mm x 49mm x 49mm	6 modules (107mm)	9 modules (161mm)	

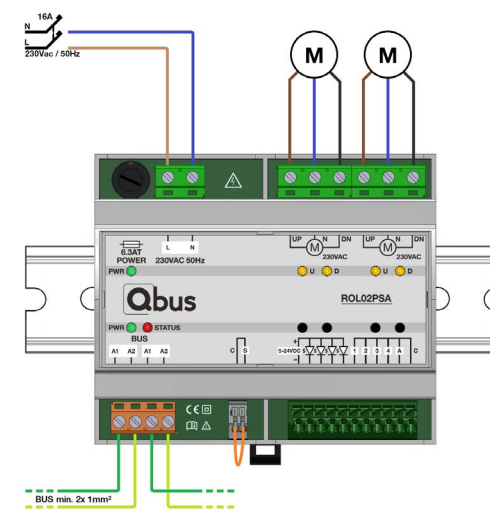


2.3 Motor control

Decentralised control module for 1 motor

Item code: ROL01/DEC

The decentralised ROL01 module is powered by the bus and can be easily installed near the motor. The ROL01 module also has two inputs on board (with two LED outputs) via which push buttons (with LED feedback), window, door and other contacts can be connected.

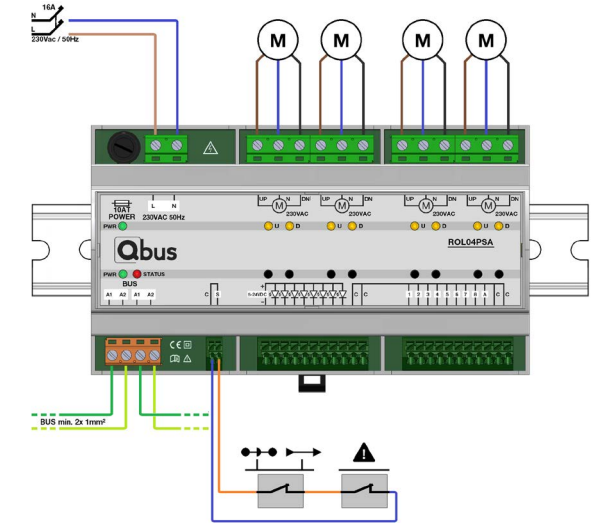


Control module for 2 motors (with or without slats), with positioning

Item code: ROL02PSA

Two 230V motors can be connected to a ROL02PSA DIN rail module for controlling roller shutters, curtains, etc. Each motor can be positioned between 0% and 100% of the running time; this position can then be used in ambiances and clock times. An internal calibration mechanism in the ROL02PSA ensures that every time the roller shutter or curtain is fully raised or lowered, it is calibrated. This ensures that the requested position remains the same even after a period of time.

The ROL02PSA has a safety input for connecting a weather sensor so that the OP output is activated in case of excessive wind/rain, etc. The module can be used both Stand-Alone and in combination with a controller (Qbus Full).



Control module for 4 motors (with or without slats), with positioning

Item code: ROL04PSA

Four 230V motors can be connected to the ROL04PSA DIN rail module for controlling roller shutters, curtains, etc. The motors can be positioned between 0% and 100% of the running time; this position can then be used in ambiances, clock times and logic. An internal calibration mechanism ensures that the roller shutter or curtain is calibrated every time it is fully raised or lowered. This ensures that the requested position remains the same over time.

The ROL04PSA has a safety input for connecting a weather sensor so that the OP output is activated in case of excessive wind/rain...

The module can be used both Stand-Alone and in combination with a controller (Qbus Full).

Dimmers

With the extensive range of dimmers, any light source can be dimmed. Qbus has both dimmers that can be used on their own and dimmers that can only be used in a Qbus Full installation.

Create ambiances and save energy

The Stand-Alone dimmers can be used to dim incandescent bulbs, halogen bulbs, energy-saving bulbs, LED bulbs and LED strips, DALI fixtures, etc. In a Qbus Full installation, DALI or DMX fixtures can also be controlled.

There are several options for dimmer control:

- With a 1-key dimmer, you use fewer keys, but the cycle must always be completed: starting at 0% to 100% and back to 0%.
- With a 2-button dimmer, an Up and Down button must be used, but the cycle can be reversed in between. (Does not have to go from 0% to 100% or vice versa.)

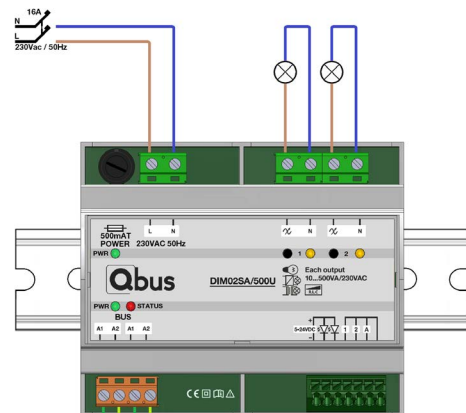
When a button is held down, the transition time from zero to maximum is 5.1 seconds. A short pulse (< 0.3 sec) brings the dimmer from zero to maximum in 2.5 seconds. The maximum value of the dimmer can also be set between 20% and 100%. The output can also be dimmed automatically after a set time of 1 second to 255 minutes. If the dimmers are controlled via an ambiance, the up time and down time can be set independently between 2.5 seconds and 20 minutes. The Stand-Alone dimmers can be set to remember the last dimming position, so that the next time the dimmer is activated, it automatically returns to this last position.

	DIM02SA/500U	DIM04SA/500U	ANR04SA
	Universal dimmer (phase cut-on, phase cut-off, dimmable energy-saving bulbs, dimmable LEDs), can be used both Stand-Alone and in a Qbus Full installation. Mixed loads are not recommended.		Can control 4 analogue dimmers (0/1-10V or PWM) or 4 relays or a combination of both. Each analogue output controls a relay contact that switches off when the dimmer is at 0% . In Stand-Alone mode, the outputs are set to 0-10V dimmer mode with a minimum dimming level of 10% by default.
Power supply	230Vac, +/-10%, 50Hz		230Vac, +/-10%, 50Hz
Max. fuse	16A/2P		16A/2P
Bus charge (full charge)	10mA at nominal voltage 13.8V		10mA at nominal voltage 13.8V
Max. own consumption	4,5 VA		4,37 VA
Internal fuse	500mAT single phase		500mAT single phase
Breakdown voltage	Tested at 3kV		Tested at 3kV
Casing	DIN-rail		DIN-rail
Type	OUT1 - OUT2: dimmable outputs 500 VA/output. In Stand-Alone mode, the outputs are set by default for conventional transformers with a minimum dimming level of 10%.	OUT1 - OUT4: dimmable outputs 500 VA/output. In Stand-Alone mode, the outputs are set by default for conventional transformers with a minimum dimming level of 10%.	OUT1-OUT4: analogue dimmer mode or ON/OFF mode adjustable via push buttons on the module in Stand-Alone mode, or via Configuration software in Qbus Full. In Stand-Alone mode, the outputs are set to 0-10V dimmer mode with a minimum dimming level of 10% by default.
Maximum charge	Incandescent lamps, halogen lamps with electronic transformer: max. 500VA per output. Halogen lamps with magnetic transformer: max. 400VA per output Dimmable 230V LEDs and energy-saving lamps: max. 100VA per output		Resistive load (cosϕ = 1) 16A at 250Vac / 30 VDC. Inductive load (cosϕ = 0.4; L/R = 7ms) 8A at 230 Vac / 30 VDC.
Minimum charge	Incandescent bulbs, halogen bulbs with electronic or magnetic transformers: min. 10VA per output. Dimmable 230V LEDs and energy-saving bulbs: min. 10W per output		-
Maximum power	-		16A
Maximum switching voltage	-		250 VAC, 125 VDC
Service life	-		20 million mechanical operations
LED indicator	Green = power supply. Red = 2 seconds during start-up, then during programming. This LED will also flash when selecting the load and minimum dimming level in Stand- Alone mode. Orange LED OUT: continuously on = output active. Orange LED OUT: flashing = output in protection mode (overload, overheating). Red LEDs Error 1-4 on = Overload or short circuit.		Green LEDs: 230V/bus present, Red LED: flashes during start-up and programming, Orange LEDs: On when output is active, flashes (single Dim0xSA) in case of error (overload, short circuit, overheating).
Manual control	To select the respective load and minimum dimming level. See the leaflet or technical data sheet for the module in question.		To select the respective load and minimum dimming level. See the leaflet or technical data sheet for the relevant module.
Number of inputs	3 potential-free contacts, including All ON/ All OFF input. With additional 5-24VDC power supply, also LED indication of the inputs.	5 potential-free contacts, including All On/All Off input. With additional 5- 24VDC power supply, also LED indication of the inputs.	5 potential-free contacts, including All On/All Off input. With additional 5-24VDC power supply, also LED indication of the inputs.
Input function	Push button standard: status change on pulse, standard setting in Stand-Alone mode, Normally Open: open when not active (e.g. bell button) Normally Closed: closed when not active.		Push button standard: status change on pulse, default setting in Stand-Alone mode, Normally Open: open when not active (e.g. bell button) Normally Closed: closed when not active. Switch: on/off function.
Dimensions	6 modules (107mm)	9 modules (161mm)	6 modules (107mm)



	ANA01	QDM01			QDG04SA	QDBC02SA	CVD04SA
	Analogue dimmer modules (0-10V)	Qbus DALI Master			Qbus DALI four-group dimmer	Two-channel DALI Broadcast dimmer module. Can be used both Stand-Alone and in a Qbus Full installation.	Four-channel high-frequency dimmer for (RGBW) LED strips with constant 12V-48V power supply. Can be used both Stand-Alone and in a Qbus Full installation.
Power supply	Bus power supply	230Vac (max. 0.2A)			230Vac (max. 0.2A)	1.15VA no load. + 0.032VA per connected DALI device. Or maximum 3.2VA	12-48 Vdc + 5%
Max. fuse	-	-			16A/2P	16A/2P	depending on the power supply used
Bus charge (full charge)	15mA at nominal voltage 13.8V	10mA			10mA at nominal voltage 13.8V	20mA (peak) at nominal voltage 13.8V	8mA at nominal voltage 13.8V
Max. own consumption	-	10mA			-	1.15VA no load + 0.032VA per connected DALI device. Or maximum 3.2VA	13mA at 12V 10mA at 24V 8mA at 48V
Internal fuse	-	-			-	Self-resetting	
Breakdown voltage	-	-			-	3kV	3kV
Casing	Plastic housing, not DIN rail	Plastic, self-extinguishing in accordance with UL94-V0			DIN rail	DIN rail	DIN rail
Type	1 selectable output (via the System Manager Software): 0-10V (sourcing – max 5mA) or 1-10V (sinking – max 100mA)	DALI bus output can control and address 64 individual DALI addresses and 16 groups			-	DA1 and DA2: DALI broadcast buses. All DALI luminaires on the same DALI bus will respond in the same way.	OUT1-4: PWM outputs on cathode (-) with common anode (+). Outputs can be set as individual dimmers, Warm White-Cold White dimmer, RGB dimmer, RGB+ Dimmer.
Maximum charge	Max 5mA	64 DALI addresses, max sink current 128mA			Max. 64 DALI luminaires in 4 different DALI groups distributed over 1 DALI bus	A maximum of 64 DALI devices may be connected across the entire module	24V 8A or 48V 4A per channel
Minimum charge	-	-			-	-	-
Maximum power	-	-			-	-	4x8A
Maximum switching voltage	-	-			-	-	48VDC
Service life	-	-			-	-	-
LED indicator	Green LEDs = power supply to DALI bus and Qbus respectively. Red LED = 2 seconds during start-up and during programming.	Green: Power supply OK (top) / Bus OK (bottom) Red: Status LED for 2 seconds during start-up and then during programming. Orange: Output active; Flashing = error (overload, short circuit).			Green: Power OK (top) / Bus OK (bottom only when using the bus system with CTD) Red: Status LED for 2 seconds during start-up and then during programming. Orange: Output active; If all 4 orange LEDs are flashing = error due to overload or short circuit on	Green: Power supply OK (top) / Bus OK (bottom), Red: Status LED 2 sec. during start-up and then during programming. This LED flashes when selecting settings (see further "Manual Operation"). Orange: On = Output active; Flashing = error (overload, short circuit).	Green: Power OK (top) / Bus OK (bottom), Red: Status LED 2 sec. at start-up and then during programming. This LED flashes when selecting settings (see "Manual Operation" below). Orange: On = Output active; Flashes during configuration = depending on selected mode. Flashes during operation = sync mode.
	-	-					
Manual control	-	-			To create groups within a single DALI circuit. See the module's leaflet or technical data sheet.	To select the minimum dimming level and use of the memory function. See the module's leaflet or technical data sheet.	To choose between different modes (separate dimming channels, Warm White/Cool White, RGB mode, RGB+ mode), memory function on or off. See the technical data sheet for the relevant module.
Number of inputs	-	-			5 potential-free contacts, including All ON/All OFF input. With Eco relay for optimum energy saving	3 potential-free contacts, including All ON/ All OFF input. With additional 5-24VDC power supply, also LED indication of the inputs.	- Push button: status change on pulse. Default setting in Stand-Alone mode. - Normally Open: open when not active. - Normally Closed: closed when not active.
Input function	-	-			- Push button: status change on pulse. Default setting in Stand-Alone mode. - Normally Open: open when not active. - Normally Closed: closed when not active.		- Push button: status change on pulse. Default setting in Stand-Alone mode. - Normally Open: open when not active. - Normally Closed: closed when not active.
Dimensions	51 mm (H) x 47 mm (W) x 14 mm (D)	4 modules (71mm)			6 modules (107 mm)	4 modules (71mm)	6 modules (107mm)

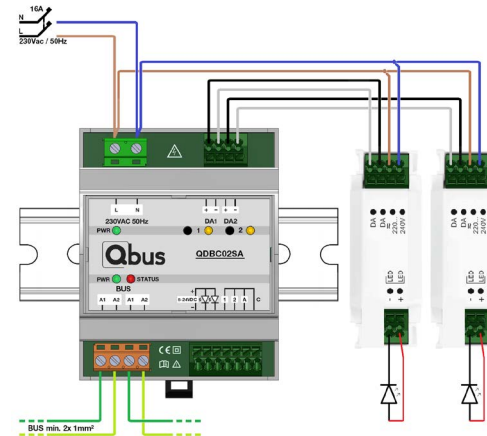
2.4 Dimmers



Two-channel (Stand-Alone) universal dimmer

Item code: DIM02SA/500U

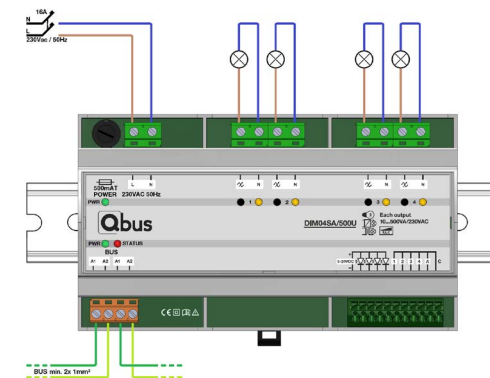
- For dimming 2 circuits of 10-500VA
- For phase cut-in, phase cut-off, dimmable energy-saving bulbs, dimmable LEDs.
- Can also be used as Stand-Alone
- (without controller)



Qbus DALI broadcast module

Item code: QDBC02SA

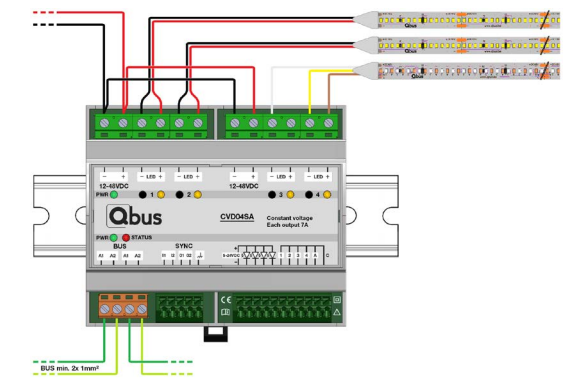
- For dimming 2 DALI lighting circuits, without programming
- Dims up to 64 DALI devices spread over 2 DALI circuits
- Operation via standard push buttons, including an All Off and Panic button
- Can also be used as Stand-Alone (without controller)



Four-channel (Stand-Alone) universal dimmer

Item code: DIM04SA/500U

- For dimming 4 circuits of 10-500VA
- For phase cut-in, phase cut-off, dimmable energy-saving bulbs, dimmable LEDs.
- Can also be used as Stand-Alone (without controller)



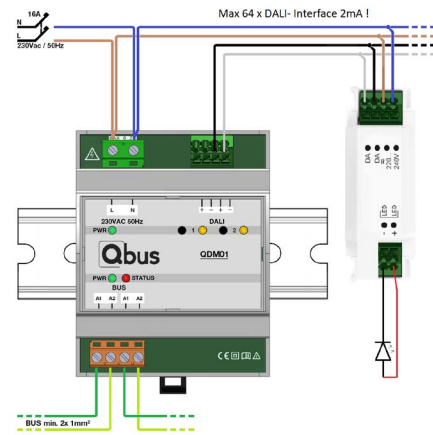
Four-channel (Stand-Alone) high-frequency dimmer for LED strips with constant 12V-48V current source

Item code: CVD04SA

- Has 4 outputs for dimming RGBW LED strips at 2KHz
- No stroboscopic effect & constant colour values
- Dimmer can be set to dim 4 separate LED strips (all outputs separately), warm white cold white (2 outputs together), RGB (3 outputs together) or RGBW (4 outputs together).
- A 12V - 24V or 48V power supply can be used for every two channels
- Can also be used as Stand-Alone (without controller)



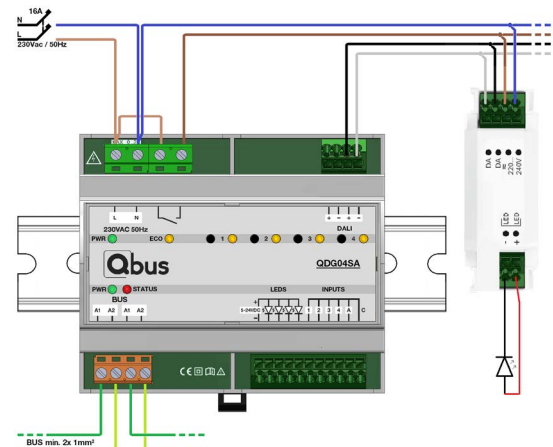
2.4 Dimmers



Qbus DALI Master with 1 DALI-bus

Item code: **QDM01**

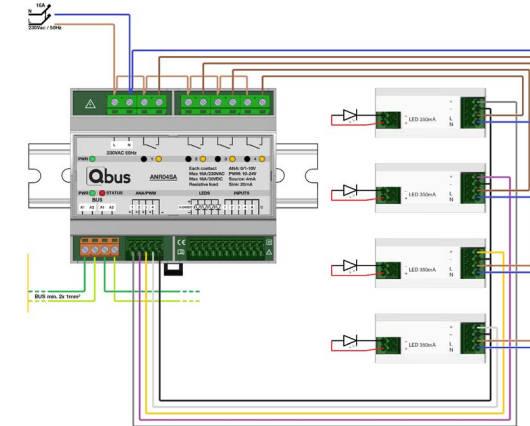
- Power supply for the DALI system
- DIN rail module for connecting up to 64 DALI luminaires to the Qbus system
- Easy addressing of DALI luminaires and QBUS DALI sensors
- Up to 64 dimming channels distributed across 64 individual luminaires and 16 groups
- Operation and visualisation via the familiar Qbus control panels



Qbus DALI 4-group dimmer

Item code: **QDG04SA**

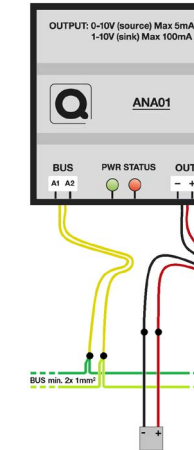
- A maximum of 64 DALI devices can be distributed across 1 DALI bus in 4 groups.
- 5 inputs for connecting standard push buttons without external power supply, including 1 All off/Panic button.
- Manual setting of DALI groups via standard push buttons connected to the module (without PC or software)
- Eco relay for optimum energy saving



Four-channel (Stand-Alone) analogue control module for dimming and/or switching

Item code: **ANR04SA**

- Has 4 outputs that can be used as analogue dimmers (0/1-10V or PWM) or as relay outputs.
- Can also be used Stand-Alone (without Controller)



Decentralised singlechannel analogue dimmer

Item code: **ANA01**

- 0/1-10V dimmer with 1 output that is connected to the bus in a decentralised manner.

Input modules

Input modules allow external contacts such as standard switches, window and door contacts, water leak detection, liquid levels, garage doors and similar devices can be connected to the Qbus system. We have designed the Energy Counter Module and Energy Management Module to help you manage your energy consumption.

Connect, measure, monitor and control with Qbus

Input modules are available in both DIN rail format for mounting in the fuse box and in a small format to fit in a flush-mounted box or junction box.

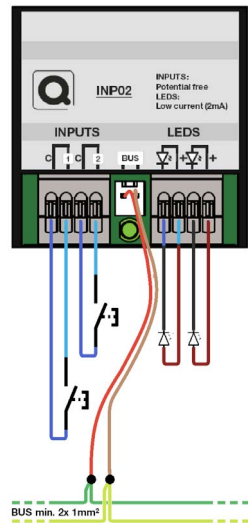
To manage your energy, you can use the Energy Counter Module for external meters and the Energy Management Module to connect the digital meter via the P1 port.

The Energy Counter Module and/or Energy Management Module can be used to measure consumption and yield and to intelligently control heat pumps, charging stations and much more, allowing you to balance your energy generation and consumption.

	INA02	INP02	INP04	ECM04	INP08	INP16
Power supply	Bus power supply				230Vac, +/-10%, 50Hz	
Max. fuse	-				6A/2P	
Bus charge	25mA Peak	10mA at nominal voltage 13.8V, if external LEDs are connected 15mA			10mA at nominal voltage 13.8V	20mA at nominal voltage 13.8V
Typical consumption	-				2.3VA	
Internal fuse	-				500mA	
Breakdown voltage	-				Tested at 3kVac	
Casing	Plastic housing for installation in flush-mounted box				DIN rail	
Number of inputs	2x 0-10V or 4-20mA	2 potential-free	4 potential-free	4 potential-free inputs for pulse meters	8 potential-free	16 potential-free
Input function (configurable via configuration software)	Push button: open when inactive (e.g. doorbell). Normally open: open when inactive. Normally closed: closed when inactive. Switch: ON/OFF function.					
LED indication	Green LED = power supply. External LEDs can be connected to the inputs to indicate the status of the input.				Green LED = power supply	
					Red LED = 2 seconds during start-up and during programming	
					Orange LED 1-8: when contact is closed	Orange LED 1-16: when contact is closed
Dimensions	57 mm (H) x 45 mm (W) x 19 mm (D)	41 mm (H) x 40 mm (W) x 12 mm (D)			6 modules	



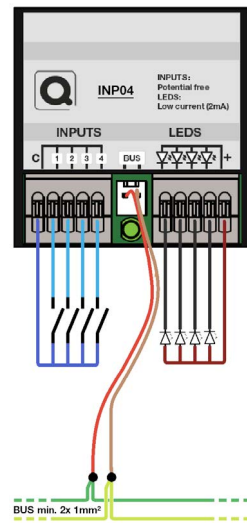
2.5 Input modules



Decentralised module with 2 potential-free inputs

Item code: INP02

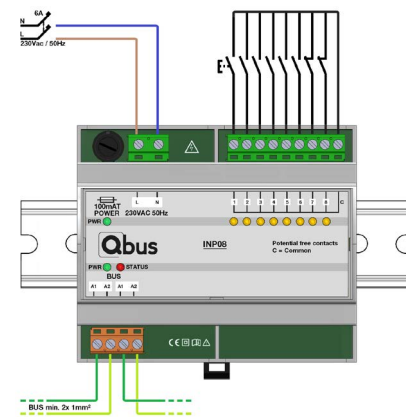
Two potential-free contacts (e.g. push buttons) and two LEDs for feedback can be connected to the INP02. These modules fit into a flushmounted box for switches and are an ideal solution for connecting standard push buttons directly to the bus.



Decentralised module with 4 potential-free inputs

Item code: INP04

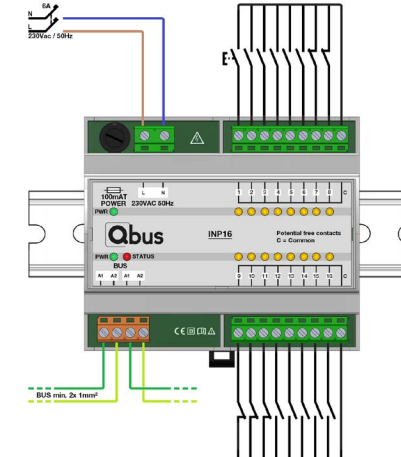
Four potential-free contacts (e.g. push buttons) and four LEDs for feedback can be connected to the INP04. These modules fit into a flushmounted box for switches and are an ideal solution for connecting standard push buttons directly to the bus.



Input module with 8 potential-free inputs

Item code: INP08

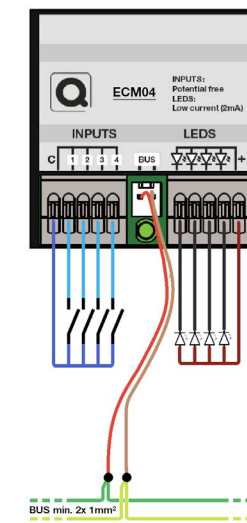
Eight potential-free inputs can be connected to this DIN rail module. The Qbus configuration software can be used to determine the function of each input - switch, push button, normally open or normally closed.



Input module with 16 potential-free inputs

Item code: INP16

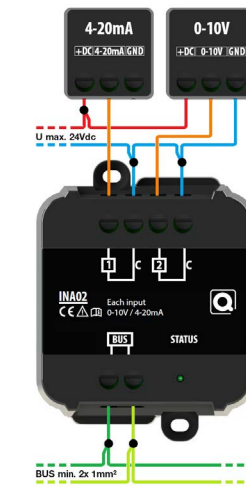
Sixteen potential-free inputs can be connected to this DIN rail module. The Qbus configuration software can be used to determine which function each input should have - switch, push button, normally open or normally closed.



Energy Counter Module

Item code: ECM04

The ECM04 or Energy Counter Module is a module that adds up the pulses it receives from a meter. It does not matter what type of meter these pulses come from, as long as the contacts are voltage-free. The ECM04 can receive and add up a pulse every 250 ms. The system can also create an alarm at a certain number of pulses, for example for a green energy certificate for solar panels.



Analogue input module

Item code: INA02

This input module has two analogue inputs for connecting sensors with a 0-10V or 4-20mA output signal to the Qbus system. The INA02 in combination with liquid level sensors is also available as a product - see in this catalogue under "sensors".

Interfaces

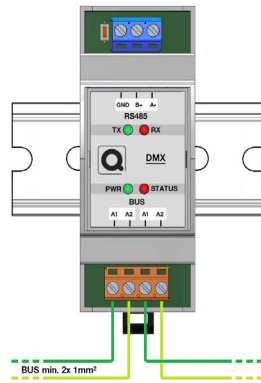
The various Qbus interface modules allow a wide range of systems and protocols to be seamlessly connected to a Qbus installation. HVAC devices can be integrated via the Modbus interface, while wireless protocols such as Easywave and Zigbee are used to add compatible sensors, switches and other products.

In addition, IoT solutions such as Ubie and openHAB provide the link to smart IP devices and external home automation systems. This keeps Qbus flexible and expandable, and the system remains compatible with a wide range of technologies — all centrally controlled in the familiar Qbus way.



SER485/DMX		SER485/Modbus	QWS/P04		QWI/EW	QWI/ZB	LQS06SA	LQSCH20SA
	The Qbus DMX interface allows up to 48 connections to be made between Qbus outputs and 254 DMX channels.	Module for integrating Qbus with Modbus applications. A number of Modbus-controlled devices are supported as standard; for others, a customised configuration must be carried out. See the SER485/Modbus technical data sheet for further information.	The Qbus weather station measures temperature, precipitation, wind speed and brightness (in three directions east - south - west, morning and evening). The Qbus weather station consists of the Qbus SER485 interface (QWS/ P04), the weather station itself and the weather station power supply (24V).		The Qbus Wireless Interface has a built-in Easywave chipset, enabling communication between wireless Easywave modules and Qbus modules.	The Qbus Wireless Interface - Zigbee connects wireless Qbus Zigbee modules and products from other manufacturers with the Zigbee protocol to a Qbus system.	With Luqas (LQS06SA), the smart energy management module, you can easily control a heat pump, boiler and charging station simultaneously based on the information from the digital meter and the calculated capacity tariff.	Thanks to the advanced load-balancing solution, Luqas Charging Hub, you can dynamically control up to 20 charging points.
Power supply	Bus power supply	Bus power supply	QWS/P04: bus weather station: 24V power supply included		Bus power supply	Bus power supply	230 V	230V
Bus charge (full charge)	35mA at nominal voltage 13.8V				20mA at nominal voltage 13.8V	20mA at nominal 13.8V	with active p1 port: 15mA	5mA at nominal voltage 13.8V.
Max. own consumption	35mA at nominal voltage 13.8V				20mA at nominal voltage 13.8V	20mA at nominal 13.8V	max. 39mA (all relay outputs on)	39mA (all relay outputs on)
Casing	DIN rail				DIN rail	Plastic, self-extinguishing in accordance with UL94-V0	DIN rail	Plastic, self-extinguishing in accordance with UL94-V0
Type	DMX output. Each SER485/DMX can support up to 12 RGBW modes, 16 RGB modes or 24 Warm White Cool White modes. If these modes also need to be controlled via the QbusCloud, each mode is duplicated so that a maximum of 6 RGBW modes, 8 RGB modes or 12 WWCW modes can be controlled per SER485/DMX, both via switches and via QbusCloud.	Various Modbus-controlled devices (such as Daikin RTD NET, RDT.RA, Toshiba..., Mitsubishi...) are provided as standard and can be selected via a drop-down box. For unsupported Modbus devices, a specific configuration is required with the intervention of Qbus.	The Qbus weather station measures temperature, precipitation, wind speed and brightness (in three directions east - south - west, morning and evening)		Interface between the Qbus bus and Easywave wireless protocol. A maximum of 32 Easywave components can be connected wirelessly to 1 QWI module. Multiple QWIs per Qbus Controller are possible.	Interface between the Qbus bus and Zigbee wireless protocol. A maximum of 30 Zigbee components can be connected wirelessly to 1 QWI module.	The module has six functions: P1 readout, P1 splitting, relay control, charging station control, pulse measurement, and cloud visualisation and control. The module can be easily installed using the installation wizard.	Load balancing module that makes charging multiple electric vehicles at a charging station easier and more efficient. The module can control a heat pump (boiler). It works both stand-alone and in combination with a Qbus controller.
Maximum charge	Up to 32 slaves				-	Up to 30 slaves	-	-
LED indicator	Green = power supply. Red = 2 seconds during start-up, then during programming. TX: flashes when sending data to the device. RX: flashes when receiving data via Qbus.				Green = power supply Red = 2 seconds during start-up, then during programming.	Green = power supply Red = 2 seconds during start-up, then during programming.	Green: Power supply OK (top) / Bus OK (bottom only when using the bus system with CTD) Red: Status LED 2 seconds during start-up and then during programming. Orange: Output active	Green: Power OK (top) / Bus OK (bottom only when using the bus system with CTD) Red: Status LED for 2 seconds during start-up and then during programming. Orange: Output active
Dimensions	2 modules (36 mm)		/QWS module: 2 DIN modules (36 mm). Weather station 77 mm (H) x 96 mm (W) x 118 mm (D). Power supply: 1 module (25 mm wide)		2 modules (36 mm)	2 modules (90 mm)	62 mm x 90 mm x 107 mm	6 modules (107)

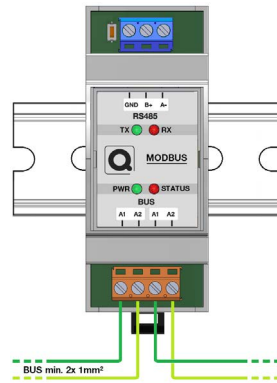
2.6 Interfaces



Qbus – DMX interface module

Item code: **SER485/DMX**

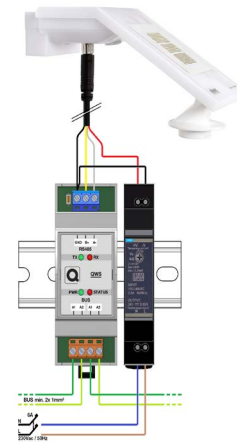
The Qbus DMX interface allows you to control all possible DMX devices (spots, moving heads, LED panels, LED strips, etc.) via the Qbus system. Select the desired colour using a colour wheel on the Cloud, play a 'video' with colour transitions using a Qbus switch, or let your RGBW strips dance along with the party ambience.



Qbus – Modbus interface module

Item code: **SER485/Modbus**

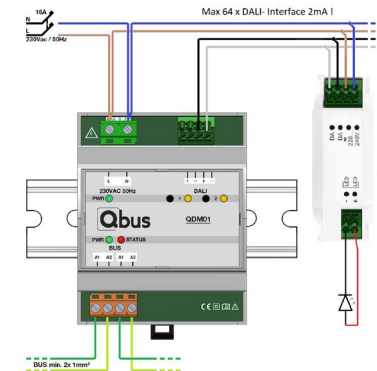
Module to connect Qbus to devices that use Modbus data from various devices (Daikin, Toshiba, Mitsubishi, Fujitsu, Priva, Robur) is included as standard in the Qbus module; for others, the code must be added by Qbus. See the SER485/Modbus technical data sheet for further information.



Qbus Weather station

Item code: **QWS/P04z**

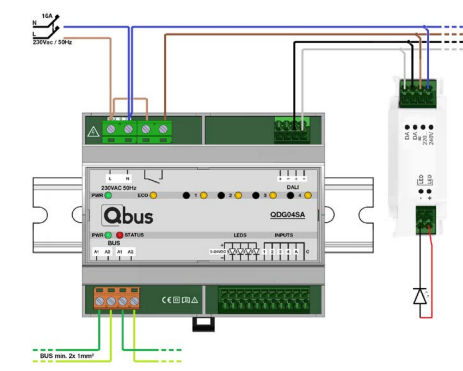
The Qbus weather station measures temperature, precipitation, wind speed and brightness (in eastern, western and southern directions). Avoid overheating by automatically closing screens on the sunny side, or close your awning if there is too much wind. Visualise all this on Qbus Control.



Qbus DALI Master

Item code: **QDM01**

The Qbus DALI Master with a single DALI(2) bus allows you to easily configure and address DALI(2) devices via System Manager III without additional DALI software or interfaces. The QDM01 supports up to 64 DALI(2) devices

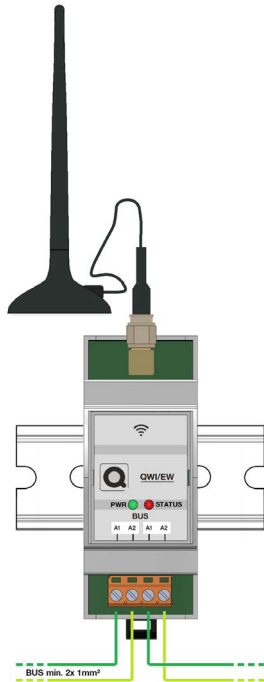


Qbus DALI 4-group dimmer

Item code: **QDG04SA**

With this Qbus DALI group dimmer, you can easily control up to 4 groups of lights on the same DALI bus. The module can function both stand-alone and with a Qbus controller. The QDG04SA supports up to 64 DALI(2) devices divided into 1 to 4 groups.

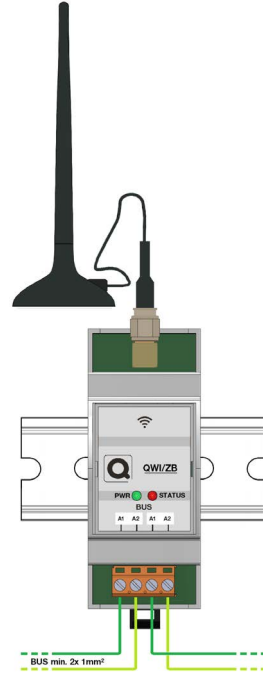
2.6 Interfaces



Qbus Wireless Interface - Easywave

Item code: **QWI/EW**

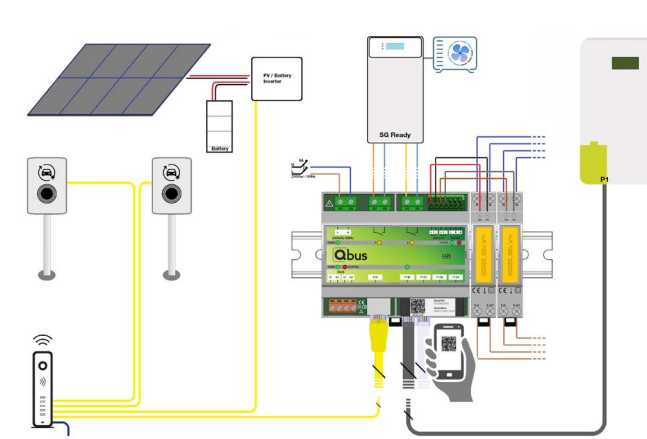
- The Qbus Wireless Interface - Easywave (QWI/EW) connects wireless Qbus Easywave modules to a wired Qbus system.
- Available Qbus Easywave components: relay modules, switches, window and door contacts, sensors, alarm buttons and motor control (see p.75).



Qbus Wireless Interface – Zigbee

Item code: **QWI/ZB**

- The Qbus Wireless Interface - Zigbee (QWI/ ZB) connects wireless Qbus Zigbee modules and products from other manufacturers with the Zigbee protocol to a wired Qbus system.
- Can also be combined with Easywave wireless interface QWI/EW and Niko Zigbee switches & sockets
- Available Qbus Zigbee components: relay modules, switches, thermostatic valves, sockets and built-in thermostats.

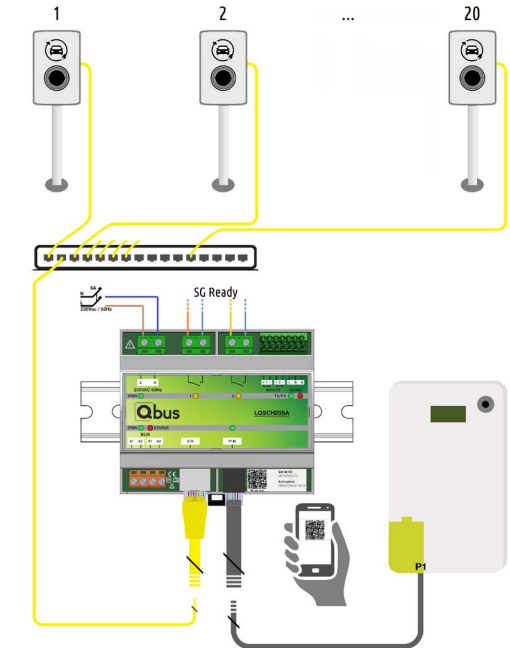


Luqas, smart energy management module

Item code: **LQS06SA**

With Luqas, the smart electricity manager (LQS06SA), you can read, visualise and intelligently control your energy flows via the digital meter. With Luqas, you can reduce the power consumption of your charging station, heat pump or boiler in the event of overconsumption or buffer the energy generated by your solar panels.

- Smart control of inverter, battery, heat pump/ boiler and two charging stations.
- Energy insights: monthly reports with personalised tips and optional dashboard with historical data, notifications and alerts.
- Measurement via P1 port of digital meter and/or kWh meter. (Modbus TCP/IP and RS485 for future connections).
- Imbalance market integration: optimises consumption and storage according to market signals for maximum savings.
- Integration of consumption and weather forecasts and dynamic rates.
- Ease of use: simple configuration via QR code and automatic firmware updates for new features.



Luqas Charging Hub up to 20 charging points

Item code: **LQSCH20SA**

This module dynamically controls up to 20 charging points based on available energy, solar generation, quarter-hourly peak and customer preferences. Separate kWh meters can be connected so that the integrated, multiple load protection can ensure safe and optimal operation of each charging point. Each charging point can be controlled separately and a priority setting can be configured.

- Dynamic charging point control for up to 20 charging points.
- Combined control of charging point, battery and heat pump/boiler.
- Multiple load protection and load balancing according to priority.
- Measurement via P1 port of digital meter and/or kWh counter. (Modbus TCP/IP and RS485 for future connections)..

Smart switches

Behind the Tastu, Niko, BTicino, Lithoss, CJC, Jung or SUMUM smart switches is a circuit board full of electronic intelligence. The switch can transmit up to 8 commands to the controller via 4 push buttons. The smart switches have standard colour LEDs, the colour of which can be selected or combined, and are also available with a built-in motion detector, light sensor, temperature sensor or a combination of these options.

Optimal balance between intelligence and cost

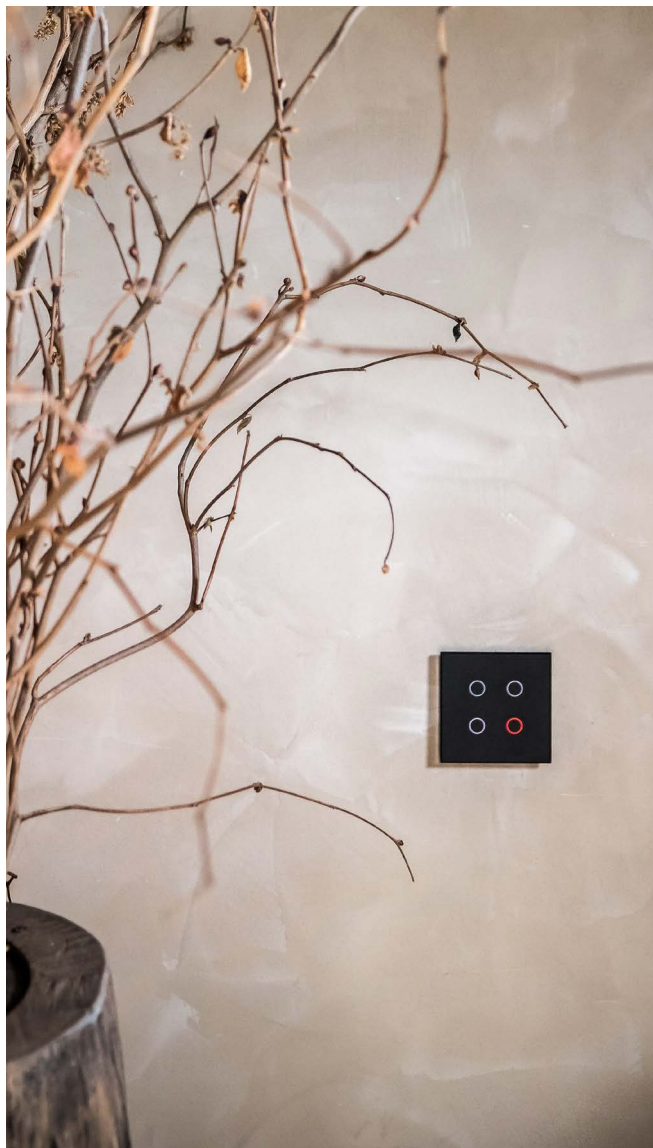
In addition to the smart switches, standard push buttons can also be connected to a Qbus installation via central and decentralised input modules, or even directly to the Qbus Stand-Alone modules.

The combination of 'smart' Qbus switches and standard push buttons ensures the desired balance between the necessary functions and the cost of your installation.

	Tastu		Niko		BTicino	Lithoss	CJC	Jung	SUMUM
Power supply			Bus power supply						
Bus charge	1-key 10mA, 2-key 15mA, 4-key 20mA at nominal voltage 13.8V			10mA at nominal voltage 13.8V	10mA at nominal voltage 13.8V				1-key 6mA, 2-key 9mA, 3- key 12mA, 4-key 14mA (max. consumption with all LEDs white)
LED indication	RGB colour LEDs: colour can be set via Qbus configuration software			RGB colour LEDs: colour adjustable via Qbus configuration software			White LED behind buttons, 1 RGB LED centrally located for HVAC programme indication	RGB colour LEDs: colour can be set via Qbus configuration software	RGB colour LEDs: colour can be set via Qbus Conconfiguration software
Number of controls	1-key: 1 touch surface with 1 RGB LED for controlling 1 Qbus output. 2-key: 2 touch surfaces with 2 RGB LEDs for controlling 4 Qbus outputs (2 additional outputs via the second page). 4-key: 4 touch surfaces with 4 RGB LEDs for controlling 8 Qbus outputs (4 additional outputs via the second page).			- The Niko SWC0102NB module is supplied without push buttons and can be used to click on a 1-key or 2-key Niko finishing set, allowing you to use 1 or 2 keys respectively. - The Niko SWC04 contains 4 Niko buttons. All Niko smart switches have RGB LEDs behind each button. The twobutton version can control 4 Qbus outputs, the 4-button version can control 8 Qbus outputs (additional outputs via the second page).	The Light Now switches are available with 1 to 6 buttons with adjustable RGB LED feedback	1- button with or without 1 RGB LED for controlling one Qbus output. 2- key with or without 2 RGB LEDs for controlling 4 Qbus outputs (2 additional outputs via the second page). 3-key with or without 3 RGB LEDs for control of 6 Qbus outputs. channels (three additional outputs via the second page). 4-key with or without 4 RGB LEDs for controlling eight Qbus outputs (4 additional outputs via the second page).	1-key: 1 touch surface with 1 RGB LED for controlling one Qbus output. 2-key: 2 touch surfaces with 2 RGB LEDs for controlling 4 Qbus outputs (two additional outputs via the second page). 4-key: 4 touch surfaces with 4 RGB LEDs for controlling 8 Qbus outputs (4 additional outputs via the second page).	Qbus supplies the JUNG "Touch Cover Module" (4008TSM) with integrated Qbus circuit board for connection to the Qbus two-wire bus. Various styles of JUNG buttons and cover plates (AS500, A, CD500, LS). These buttons and cover frames are not included and must be ordered separately from the respective JUNG sales channels.	1- Key: 1 touch surface with 1 RGB LED for operating one Qbus output. 2- Key: 2 touch surfaces with 2 RGB LEDs for controlling four Qbus outputs (two additional outputs via the second page). 3- key: 3 touch surfaces with 3 RGB LEDs for controlling six Qbus outputs (three additional outputs via the second page) 4- key: 4 touch pads with 4 RGB LEDs for controlling eight Qbus outputs (four additional outputs via the second page).
Version	1, 2 and 4-key black or white glass, optionally with temperature sensor			- the 1 or 2-key version is supplied without push buttons - Niko finishing sets with lens for single (version XXX- 32002) or double (version XXX-32004) electronic push buttons can be clicked onto it. Optional with temperature sensor. - The 4-button version is available in the available Niko colours, optionally with temperature sensor and/ or motion and light detector	The switches are supplied without a finishing set. The version with builtin motion detector includes a drilled button that covers the module where the detector is located. Finishes in White, Black or Stone are available separately available separately via GiH.	See the Lithoss catalogue. The 2- and 4-button versions are optionally available with a temperature sensor.	Only LOLA. 4-button version optionally available with temperature sensor.	See technical data sheet SWC04/Jung. The 4008TSM base module is optionally available with a temperature sensor.	See SUMUM catalogue. The 2-, 3- and 4-button versions are optionally available with a temperature sensor.
Afmetingen	86mm x 86mm			71 mm x 73 mm (including frame). Includes finishing set for the 4-gang smart switch, excludes finishing set for the single and double versions.	45 mm x 45 mm (without frame, without cover frame) for the 2-module and 45 mm x 68 mm (without frame, without cover frame) for the 3-module.	Depending on the version selected. (See respective catalogues)		47mm x 44mm	Depending on the selected version. See SUMUM catalogue



2.7 Smart switches

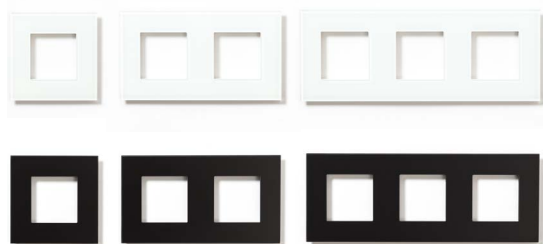


Tastu® switches

Item code: **SWC0X/GX**

The Tastu® glass switch works via touch sensors that are concealed in the glass plate. These capacitive touch surfaces, users can control all the technology in that room, on that floor or in that building. These switches are fingerprint-proof: a special coating on the glass switch prevents fingerprints from remaining on the glass.

The Tastu® switches are available as smart switches – optionally with a built-in temperature sensor (for direct connection to the Qbus bus) – and as stand-alone push-button versions. This stand-alone version of the Tastu can be used with the Qbus stand-alone modules and with teleruptors.



Cover plate

Like the Tastu® switches, the matching Tastu® cover plates are both contemporary and timeless, functional and stylish. Like the switches, they give a slight floating sensation due to the distance between the wall and the glass. The cover plates are available for Niko switchgear, and always in single, double and triple horizontal versions.

RoomMate

Item code: **RMT/x**

This room controller has a razor-sharp 4" touch colour screen that allows you to control up to 20 outputs. These can be set up in a grid (in groups of 4) or carousel. The display is powered via the bus, fits into a standard flush-mounted box and also has a bell function thanks to its built-in loudspeaker. The RoomMate can also function as a thermostat thanks to its built-in temperature sensor. The light and proximity sensor ensure that the screen only lights up when in use. Various versions are available with aluminium or brass frames.



- 4" touch OLED display
- Intuitive control of up to 20 outputs
- Integrated temperature, humidity, proximity and light sensor
- Powered via the bus
- Fits in a standard flush-mounted box
- Available with different frames: Black, White, Aluminium, Classic Bronze, Brushed Brass



2.7

Smart switches

Qbus switch in Niko design

Item code: SWC04X/XXX, SWC0102/XXX

The Qbus circuit board is located behind the Niko push buttons. Easy to connect to the Qbus bus, optionally with built-in temperature sensor, motion detector, light sensor or a combination of these. All push buttons have adjustable colour LEDs. The handy second page allows you to control a total of 8 outputs with a single 4-key switch. These smart switches are supplied with keys and frame, but without a cover frame.

Smart switch	Temperature sensor option	Motion and light detector option	Temperature, motion and light detector option	Version
4-button (SWC04/XXX)	4-button (SWC04T/XXX)	4-button (SWC04M/XXX)	4-button (SWC04MT/XXX)	XXX = Niko colour. Colours 101 and 122 available as standard, other colours available to order
4-key without finishing set (SWC04/NNB) 1- and 2-key without finishing set (SWC0102/NNB)	1- and 2-key without finishing set (SWC0102T/NNB)	-	-	without finishing set



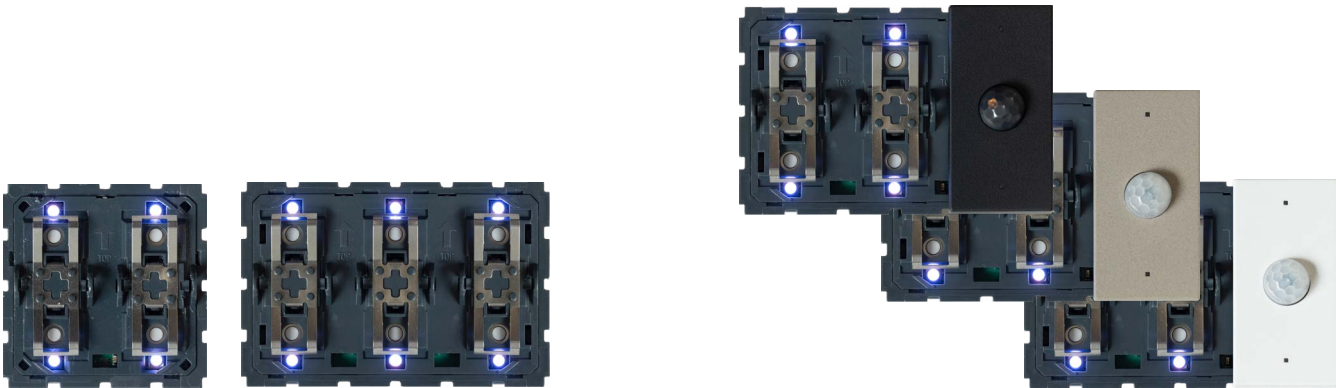
Qbus switch in BTicino Light Now version

Item codes: SWC04x/YNB, SWC06x/YNB, SWC06MT/Yx

The Light Now switches are original BTicino mechanisms, equipped with a fully integrated Qbus circuit board on the rear. They fit perfectly into standard BTicino flush-mounted boxes. There are 7 versions available, with 1 to 6 buttons, optionally with temperature, light and motion sensors. Each button has an adjustable RGB LED for visual status display. All models are easy to configure via System Manager III.

The switches are supplied without a finishing set. The version with built-in motion detector does include a pre-drilled button that covers the module where the detector is located. Finishes in White, Black or Stone are available separately at wholesalers.

Slimme schakelaar	Met temperatuursensor	Met temperatuur.- bewegings- en lichtdetector.	Uitvoering
2 modules (SWC04/YNB)	2 modules (SWC04T/YNB)	3 modules, White finish (SWC06MT/YW)	Finishes* available in White, Black and Stone.
3 modules (SWC06/YNB)	3 modules (SWC06T/YNB)	3 modules, Black finish (SWC06MT/YD)	
		3 modules, Stone finish (SWC06MT/YG)	*Finish not included.



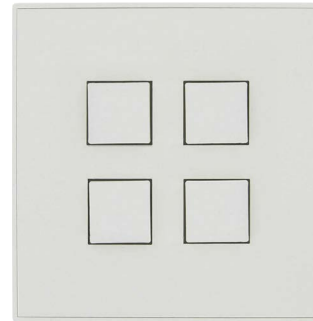
2.7 Smart switches

Qbus switch in Lithoss design

Smart switches

The Lithoss push buttons are available with a built-in Qbus circuit board, optionally with a temperature sensor, motion detector, light sensor or a combination of these. These push buttons connect in the same way as other smart switches from Qbus. The handy second page allows you to control a total of 8 outputs with a single 4-key switch.

The smart Qbus switch in Lithoss version is available with 1, 2, 3 or 4 push buttons, and in all possible Lithoss finishes. Versions with built-in temperature, motion and light detectors are also available. Check the Lithoss catalogue and website for versions and item codes.

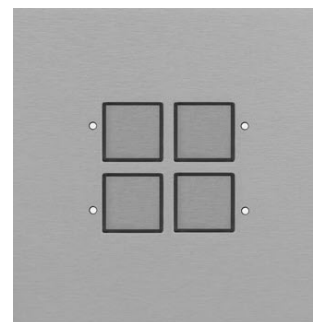


Qbus switch in CJC design

Smart switches

The smart Lola switch from CJC also has a built-in Qbus circuit board. This switch has adjustable colour LEDs. On the second page, up to 8 outputs can be controlled via the 4 buttons.

The smart LOLA switch is available with 1, 2, 3 or 4 push buttons, optionally with a temperature sensor. Check the CJC catalogue and website for finishes and item codes.



Qbus switch in SUMUM design

Smart switches

SUMUM switches combine the intelligent use of different types of metal with built-in Qbus intelligence. SUMUM switches have an integrated Qbus chip, allowing them to be connected to the Qbus two-wire bus via plug & play. These smart switches have RGB LED indicators behind the push buttons, feature two pages for controlling a large number of outputs, and are available with a built-in temperature sensor so that they can be used as room thermostats.

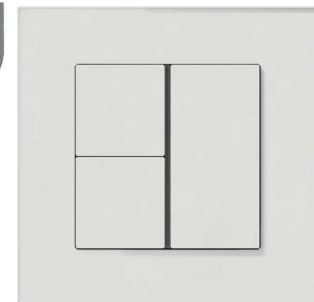


Qbus switch in JUNG design

Item code: SWC04X/JNB

The intelligent Qbus switch in JUNG version is a basic component (the 4008 TSM "Key cover module") with integrated Qbus circuit board for connection to the Qbus two-wire bus. Various styles of JUNG buttons and cover frames (AS500, A, CD500, LS) fit this module, as well as 1-, 2-, 3- and 4-button finishing sets. These buttons and cover frames are not included and must be ordered separately from the respective JUNG sales channels.

The JUNG Graphic Tool also allows you to print symbols on the push buttons. The JUNG version of the Qbus smart switches is also available with a built-in temperature sensor.



Sensors

Sensors form the sensory network of every smart installation. They detect movement, measure light, temperature, air quality or even liquid levels, and pass this information on to the Qbus system. This allows a building to respond automatically to its environment: lighting that switches on when someone is present, ventilation that increases when air quality is poor, sun blinds that adjust to the amount of light entering the room, or energy that is distributed more efficiently. Qbus offers sensors in various designs — discreet flushmounted, robust surface-mounted, adjustable or combined — so that there is a suitable solution for every space and every application.

Smart detection in every situation

From compact mini motion detectors to all-in-one sensors that measure motion, light, CO2, humidity and temperature simultaneously: Qbus sensors are designed for both residential and commercial environments. Wireless variants, outdoor sensors and directional models make it easy to accurately monitor and automatically control every zone.

	SEN01T	SEN01/NTC	SEN01M/X		SEN04ML/ RMW	MDI	SEN04MLT/OUT	INA02 & SENPACK/1LEVEL - SENPACK/2LEVEL	QWS/P04	QDSEN & QDSEN/HB
Power supply					Bus power supply			24VDC power supply	QWS/P04: bus weather station: 24V power supply included	DALI power supply via DALI bus
Bus charge	8mA at nominal voltage 13.8V		8mA at nominal voltage 13.8V		15mA at nominal voltage 13.8V		9mA at nominal voltage 13.8V	25mA (peak) at nominal 13.8V	30mA at nominal voltage 13.8V	Caution – bus load on DALI bus QDSEN/HB: 16mA (at rest 8mA, during detection 16mA) QDSEN: 10mA (at rest 7.5mA, during detection 10mA)
Function & specification	Digital temperature sensor on the Qbus two-wire bus. Measures at 0.5°C resolution and 1°C accuracy within an adjustable range of 63.5°C between -30°C and 93.5°C.	NTC temperature sensor with 55 cm wire on the Qbus two-wire bus. Measures at 0.5°C resolution and 1°C accuracy within an adjustable range of 63.5°C between -30°C and 93.5°C.	Motion and light sensor on the Qbus two-wire bus. The motion detector itself has a diameter of only 9 mm and a detection range of 5 metres at an angle of 100°. Using the Qbus configuration software, both a 'First' detection level (how much movement must there be before this is detected) and a 'Maintain' level (how much movement is required to continue detection) can be set. The light sensor allows detection to be combined with light level.		Motion detector with adjustable viewing angle (25°) for ceiling mounting. Built-in light sensor. Module is powered by the Qbus two-wire bus. When installed at a height of 2.4 metres, the module has a detection range of 6 metres. The Qbus configuration software can be used to set both a 'First' detection level (how much movement is required before detection occurs) and a 'Maintain' level (how much movement is required to continue detection). The light sensor, detection can be combined with light level. Four separate outputs can be controlled according to movement and/or light level.	Motion, light and temperature sensor IP55 for outdoor installation. The detector can be adjusted 90° up and 40° down, and 90° left and right. The module can be installed on either the ceiling or the wall. The module is powered by the Qbus two-wire bus. When installed at a height of 2.4 metres, the module has a detection range of 12 metres. The Qbus Configuration Software can be used to set both a "First" detection level (how much movement is required before detection occurs) and a "Maintain" level (how much movement is required to maintain detection), the light sensor, detection can be combined with light level. Four separate outputs can be controlled according to of movement and/or light level. Built-in temperature sensor included.		The INA02 input module is combined in this package with the Qbus 4-20mA liquid level meter to detect water or fuel levels between 5cm and 300cm. The measured values can be converted to a 0-100% value (dimmer mode), thermostat mode (temperature sensors), or if other detailed data is required, universal mode can also be used.	The Qbus weather station measures temperature, precipitation, wind speed and brightness (in three directions: east, south and west, morning and evening). Wind sensor resolution 0.1 m/s, temperature 0.1 °C. Wind sensor accuracy + 15-22%, temperature + 1.5 °C, brightness + 35%	A combined passive infrared (PIR) motion detector and light sensor. The QDSEN & QDSEN/HB are configured via the QDI configuration – when assigning the DALI addresses via the QDI, the connected QDSEN & QDSEN/HB sensors appear as inputs. The Qbus Configuration Software (System Manager) can be used to set the relevant output to switch on only when a certain light level or a certain volume of movement, or a combination of both, is reached. At an installation height of 2.5 metres, the QDSEN has a detection range of 8 metres in diameter for detecting movement and 4 metres in diameter for detecting presence. The QDSEN/HB has a detection range of 40 metres in diameter at an installation height of 15 metres.
Version	Separate sensor. Pre-drilled Niko blanking plates are available as an option to finish off the SEN01T	Separate sensor	Available as a separate sensor in white (SEN01MW) and black (SEN01MB) versions. Pre-drilled Niko blanking plates are available as an option to finish the SEN01MW. Also available integrated in a white (SEN-01MW/RMW) or black (SEN01MB/RMB) metal frame for ceiling mounting, with both spring and leaf springs. Available in white (SEN01MW/TMW) and black (SEN01MB/TMB) metal housing for surface mounting.		Built into a white round metal frame with spring clips for ceiling mounting.	Available in Niko versions 100, 101, 121, and 122, and in Bticino versions N, L, NT. Including frames, excluding cover frames.	Surface-mounted version. Available in black (SEN04MLT/OUTB) and white (SEN04MLT/OUTW) versions.	SENPACK/1LEVEL: with one analogue input module (INA02) and one sensor or SENPACK/2LEVEL with one analogue input module (INA02) and two sensors.	The Qbus weather station consists of the Qbus SER485 interface (QWS/P04), the weather station itself and the weather station power supply (24 V).	Both flush-mounted and surface-mounted
Dimensions	24 mm diameter x 30 mm	41 mm (H) x 40 mm (W) x 12 mm (D)	SEN01MX: 23 mm x 30 mm x 30 mm deep SEN01MX/RMX: 60 mm diameter x 30 mm deep SEN01MX/TMX: 60 mm diameter x 40mm high		80 mm diameter x 65 mm deep	Niko: 73 mm x 71 mm Bticino: 72 mm x 73 mm	74 mm wide, 88 mm high, 120 mm deep	19 mm (h) x 45 mm (w) x 57 mm (l)	QWS/P04 SEN01NW module: 2 DIN modules (36mm). Weather station 77mm (h) x 96mm (W) x 118mm (D). Power supply 1 module (25 wide)	QDSEN: 102 mm diameter x 59 mm QDSEN/HB: 88 mm diameter x 49 mm x 63 mm deep



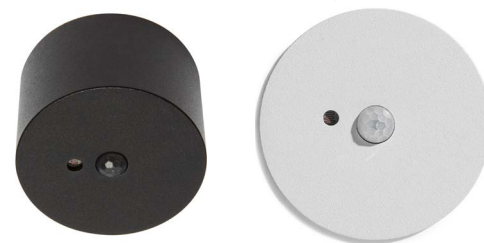


Mini motion and light sensor

Item code: **SEN01/Mx**

The SEN01M design detector is a small motion detector that can be built into skirting boards, cupboards, walls, etc. and is available in white (SEN01/MW) and black (SEN01/MB) versions.

- Detects movement and light level
- Compact and unobtrusive built-in design with white or black sensor
- Wide detection range: Up to 7 metres range at an angle of 110°.
- Can be finished with central plates



Mini motion and light sensor in round metal housing

Item code: **SEN01Mx/RMx**

Designer detector with light sensor built into a white or black metal housing with clips for easy ceiling mounting. Available in white (SEN01MW/RMW) and black (SEN01MW/RMB)

- Detects movement and light level
- Metal designer housing with built-in mini motion and light sensor
- Available with white or black sensor
- Available in white or black housing
- Wide detection range: Up to 7 metres range at an angle of 110°



Smart motion and light sensor

Item code: **SENMoLi**

The smart motion and light sensor is a bus-controlled and -powered sensor. With variants for both flush and surface mounting, it is ideal for ceiling installation in residential projects. The sensors are available in white and black versions.

- Discrete, flat, round sensor (outer diameter 52 mm, mounting diameter 40 mm)
- Detection of movement and light intensity (lux)
- White or black version, flush-mounted or surface-mounted



Smart sensor for motion, light and air quality

Item code: **SENMax**

This smart sensor is an all-in-one sensor that measures motion, light, CO2, humidity and temperature. Ideal for commercial and residential projects where air quality needs to be measured.

- Discreet, flat, round sensor (outer diameter 52 mm, mounting diameter 40 mm)
- Contains 5 sensors: motion, light intensity (lux), humidity (RH%), CO2 (ppm) and temperature (°C)
- White version, flush-mounted or surface-mounted



Adjustable motion detector for wall mounting	Version
Detector on Niko frame (MDI/XXX) Detector on BTicino frame (MDI/X(X))	XXX = Niko colour. Colours 101, 122 X(X) = BTicino colour N (white)

Adjustable motion detector for wall mounting

Item code: **MDI01**

The MDI is an indoor motion detector with an adjustable detector and a built-in light sensor, available in Niko and BTicino designs.



Adjustable motion detector for ceiling mounting

Item code: **SEN04ML/RMW**

The SEN04ML/RMW is an adjustable indoor motion detector in a white metal frame for ceiling installation.



Motion, light and temperature sensor for indoor and outdoor use

Item code: **SEN04MLT/OUTB** and **SEN04MLT/OUTW**

A multifunctional detector for wall or ceiling mounting, for indoor or outdoor use (IP55), which can detect temperature, light level and motion and control 4 outputs based on one or a combination of these measured values.

This sensor is available in both white (SEN04MLT/OUTW) and black (SEN04MLT/OUTB).



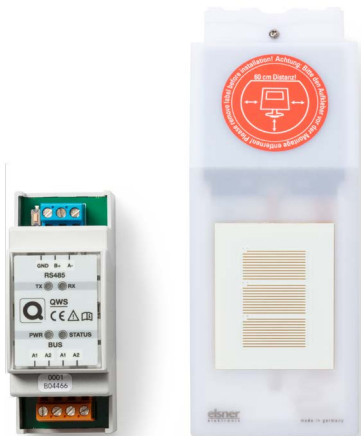
Temperature sensors

Item code: **SEN01T / SEN01NTC**

Stand-Alone temperature sensors for easy and multifunctional installation. These sensors are powered by the bus and make smart, zonal heating control in a building extremely easy.

The SEN01T has a digital temperature sensor, and is available with pre-drilled Niko blind plates for mounting in a flush-mounted box.

The SEN01NTC has an NTC sensor on a 55 cm long cable. This sensor is ideal for use in underfloor heating or other measurements where the sensor can be embedded.



Qbus Weather Station

Item code: QWS/P04

The Qbus weather station measures temperature, precipitation, wind speed and brightness (in eastern, western and southern directions). Avoid overheating by automatically closing screens on the sunny side, or close your awning if there is too much wind. Visualise all this on the QbusCloud.



DALI motion and light sensor

Item code: QDSEN

- A combined passive infrared (PIR) motion detector and light sensor
- Suitable for installation at a height of 2.5 m with a detection range of 7 m diameter
- Can be installed either flush-mounted or surface-mounted
- Connected directly to the DALI bus via QDI01 or QDM01



DALI High-Bay motion and light sensor

Item code: QDSEN/HB

- A combined passive infrared (PIR) motion detector and light sensor
- For installation at a maximum height of 15 metres with a detection range of 40 metres in diameter
- Can be installed either flush-mounted or surface-mounted
- Connected directly to the DALI bus via QDI01 or QDM01



Liquid level sensor

Item code: SENPACK/1LEVEL and SENPACK/2LEVEL

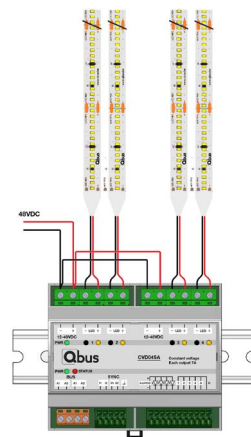
- Combination of the analogue input module INA02 with 1 or 2 sensors for measuring liquid levels.
- For water or fuel levels
- Detection range between 5 cm and 300 cm

LED lighting

Due to the specific demand for high-quality LED strips, Qbus has added 48V LED strips to its range.

This range includes a series of high-quality LED strips that operate on 48VDC. These can be perfectly controlled by both Qbus Stand-Alone and Qbus Full.

These LED strips have been developed to guarantee superior light quality, long service life and optimal ease of installation. With the 48V LED strips, longer distances and longer LED strips are possible without any loss of (light) quality. The high number of LEDs per metre (90 = RGBW to 300 = white) guarantees the homogeneity of the emitted light. The low current per LED, in combination with power limiters, ensures a lower temperature and overcurrent protection, which contributes to a long service life.

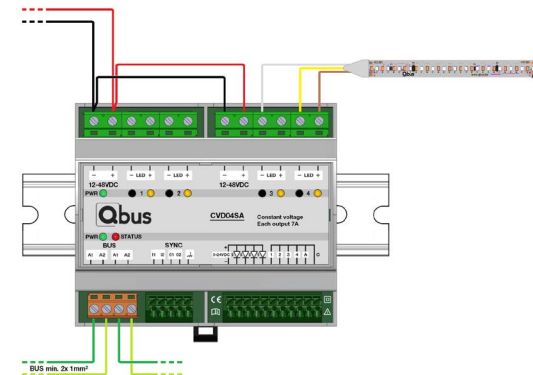


Monochrome 2700K LED strip

Item code: **LS48/2700**

The LS48/2700 LED strip is intended for use with a 48VDC constant voltage supply. The LEDs emit light at a colour temperature of 2700K, which is comparable to the light colour of a 60 Watt incandescent bulb. The strip length is 10 metres and can be connected from both sides and cut to the desired length in increments of 5 cm (15 LEDs).

- LEDs per metre: 300/3000 per roll
- Power: 27W/m
- Voltage: 48VDC
- CRI >93.8 (R1=95; R2=99, R3=98; R4=93; R5= 94; R6= 97; R7= 91; R8= 83; R9= 65; R10= 96; R11= 94; R12= 84; R13= 96; R14=100; R15= 91)
- SDCM 1
- Luminous flux = 2500 lumens/m
- Maximum length in one piece, powered from one side: 10 m
- Protection rating: IP20
- PWM dimmable

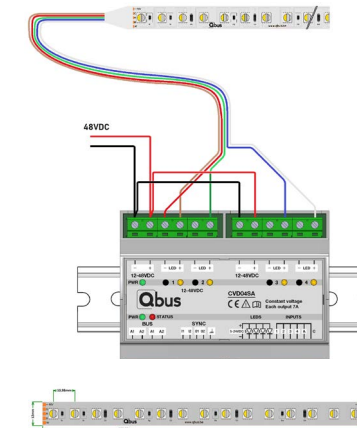


LED strip warm white – cool white

Item code: **LS48/WWCW**

The LS48/WWCW LED strip is intended for use with a 48VDC constant voltage supply. The LED strip can be used as Warm White (WW / 2000K), Cool White (CW / 6500K) or any colour temperature in between. Adjustable colour temperatures can be used, for example, for the circadian rhythm. The strip is 10 m long and can be connected at both ends and cut to the desired length in 10 cm increments (30 LEDs).

- LEDs per metre: 300/3000 per roll
- Power: 27W/m (2000K +/- 13.5W/m + 6500K +/-13.5W/m)
- Voltage: 48VDC • CRI 95 (R1= 94; R2= 94; R3= 97; R4= 96; R5= 94; R6= 91; R7= 96; R8= 98; R9= 92; R10= 91; R11= 93; R12= 83; R13= 93; R14= 98; R15= 92)
- SDCM 1 (per colour)
- Luminous flux 3600K (2000K+6500K) = 2400 lumens/m
- Luminous flux 2000K = 1000 lumens/m
- Luminous flux 6500K = 1400 lumens/m
- Maximum length in one piece, powered from one side: 10 m
- Protection rating: IP20
- PWM dimmable



RGBW LED strip

Item code: **LS48/RGBW**

The LS48/RGBW LED strip is intended for use with a 48VDC constant voltage supply. The LED strip has RGBW LEDs and can be controlled by the Qbus CVD04SA module or the DMX interface. The strip is 10 m long and can be connected at both ends and cut to the desired length in increments of 16.66 cm (15 LEDs).

- LEDs per metre: 90 / 900 per roll
- Power: 14W/m
- Voltage: 48VDC
- CRI 80 (RGBW)
- Luminous flux: 900 lumens/m
- Maximum length in one piece, powered from one side: 10m
- Protection rating: IP20
- PWM dimmable

Displays

You can use your own tablets, smartphones, PCs or laptops to operate and visualise a Qbus system. After all, Qbus Control allows you to view and control your installation from any device, anywhere. We also have Qbus-specific displays, from room controllers to 21-inch designer screens that can also be connected to videophones.

Something for everyone

The RoomMate Room Controller is designed to control a room or floor and can also be used as a thermostat. The Navigator screens in Tastu Glass or Alu finish provide an intuitive and highend overview of the entire home or complete building.

	RoomMate	UbieTouch	Navigator	Qframe	Qframe/USB
Power supply	Bus power supply	POE or 24VDC	External power supply 110-240 VAC		230V
Bus charge	Without external power supply: 300mA. With external 24Vdc power supply: 2mA	NA (not connected to the bus. UTP cable required)	NA (not connected to bus, UTP cable provided)		NA (not connected to bus)
Function & Specification	The RoomMate is an intuitive control panel for the Qbus system. This user-friendly room controller has a customisable four-inch screen and supports up to 20 different actions, including switching, dimming and mood controls.	Colour control panel for Ubie installations. 8" LCD screen, 1280x800 resolution. 16.7 million colours. Capacitive multi-touch screen. High-fidelity audio with 2W amplifier and smart microphone for optimal sound recording makes the UbieTouch suitable as a video intercom indoor screen in combination with SIP outdoor stations. Comes with included mounting frame for 2-module flush-mounting box.	The Navigator is a Windows 10 PC for wall mounting, finished in a combination of aluminium and glass or glass only. The touch screens are TFT-LCD widescreen and have dual capacitive touch. The Navigator Touch Screens can run the EQOmmmand software, which allows you to control, visualise and manage energy consumption. Separate flush-mounted boxes are required for wall mounting.	The QFRAME109 (white or black) is a tablet holder consisting of an aluminium finishing frame and an iron bracket in which an iPad can be mounted. Various generations of iPads are compatible with this tablet holder: • 10th generation iPad (2022) • iPad Air 4th and 5th generation • iPad Pro 1st, 2nd, 3rd, and 4th generation	The QFRAME/USB is a 230V powered USB adapter for the Qbus QFRAME. This USB adapter provides 12V (2.4A maximum) power for various types of iPads. The iPad's power cable (included with the QFRAME) is concealed behind the tablet thanks to its built-in connection.
Version	Available in 5 colours: Black, White and Aluminium, and two versions with a brass frame: Brushed Brass and Classic Bronze.	White or black version	Available in 10.2" - 15.6", and in Aluminium version in 21.5". The 15.6" and 21.5" are available as touch screen only, as touch screen with built-in extender (for easy connection to an external PC) and with a built-in box PC. The aluminium versions are available in brushed aluminium or black aluminium with black glass, the Tastu versions in black glass and white glass. The Navigator Touch Screens have a microphone and speakers and can also be used as a videophone screen.	White or black version	
Dimensions	80 x 80 x 23 mm	223.5 x 148.4 x 15.8 mm	10.2" Aluminium version: front panel 310 mm x 186 mm, flush-mounting box 276 mm x 174 mm (H) x 70 mm (D) 10.2" Tastu Glass version: front panel 301 mm x 208 mm, flush-mounting box 278 mm (W) x 176 mm (H) x 80 mm (D) 15.6" Aluminium version: front panel 462 mm x 272 mm, flush-mounting box 455 mm x 253 mm (H) x 80 mm (D) 15.6" Tastu Glass version: front panel 472 mm x 277 mm, flush-mounting box 455 mm x 253 mm (H) x 80 mm (D) 21.5" Aluminium version: front panel 595 mm x 340 mm, flush-mounting box 587 mm x 327 mm (H) x 80 mm (D)	280 mm (H) x 195 mm (W) x 11 mm (L)	52 mm (H) x 45 mm (W) x 33 mm (L)



RoomMate

Item code: RMT/x

This room controller has a razor-sharp 4" touch colour screen that allows you to control up to 20 outputs. These can be set up in a grid (per 4) or carousel format. The display is powered via the bus, fits into a standard flush-mounted box and also has a bell function thanks to its built-in loudspeaker. The RoomMate can also function as a thermostat thanks to its built-in temperature sensor. The light and proximity sensors ensure that the screen only lights up when in use. Various versions are available with aluminium or brass frames.

- 4" touch OLED display
- Intuitive control of up to 20 outputs
- Integrated temperature, humidity, proximity and light sensor
- Powered via the bus
- Fits in a standard flush-mounted box
- Available with different frames: Black, White, Aluminium, Classic Bronze, Brushed Brass



Navigator Series Touch screens in Aluminium and Tastu Glass.

Item code: NAV

High-quality design in aluminium & glass or Tastu Glass finish. Available in 10.2 inch - 15.6 inch.

The Navigator Touch screens are available in a version with combined metal colour or black aluminium and glass, and in a version with only white or black glass. They have a microphone and speakers and can also serve as a videophone indoor unit. The Navigator Alu Touch Screens can run the EQOmmmand software, which allows you to control your building, visualise and manage energy consumption.



UbieTouch

Item code: UbieTouch White / UbieTouch Black

This 8-inch capacitive colour touchscreen allows intuitive operation of a Ubie installation. The screen has a built-in speaker and smart microphone for optimal sound recording and can therefore also serve as an indoor station for a videophone system (linked to a SIP outdoor station). The screen is POE-powered and requires a wired network.

The UbieTouch can also be placed on an optional metal holder.



2.10

Displays



Qframe

Item code: QFRAME109/X

The QFRAME109 (white or black) is a tablet holder consisting of an aluminium finishing frame and an iron bracket in which an iPad can be mounted.

Various generations of iPads are compatible with this tablet holder:

- 10th and 11th generation iPads
- iPad Air 4th, 5th, 6th and 7th generation
- iPad Pro 1st, 2nd, 3rd, 4th and 7th generation

The finishing frame is attached by hooking it over the bracket on one side. The built-in magnets in the finishing frame then pull it flush against the bracket. As a final step, it can be fixed on the other side using an adjustment screw.

The iPad can be powered by a separately ordered USB adapter (QFRAME/USB) that is built into the wall.

230V 12W USB Adapter, flush-mounted for QFRAME

Item code: QFRAME/USB

The QFRAME/USB is a 230V powered USB adapter for the Qbus QFRAME. This USB adapter provides 12V (2.4A maximum) power for various types of iPads. The iPad power cable (included with the QFRAME) is hidden behind the tablet thanks to its built-in connection.

The QFRAME/USB is built into commercially available flushmounted boxes in accordance with DIN 490730-1, with a minimum depth of 40 mm. Clamps are included for installation in plasterboard walls.

The adapter has a double power connection, allowing the power supply to be easily looped through. The power supply must be fused at 16A.

The adapter has a minimum standby loss of less than 50 mW

2.11

Videophone

The sleek aluminium Qbus door entry unit is finished in anodised aluminium with a real glass plate for the camera.

The Qbus door entry unit is waterproof (IP65) and operates on the SIP protocol. The unit can be integrated into the Qbus Navigator screens, but also on other SIP indoor units. The Qbus SIP door entry unit can also be integrated using the UbieTouch or any other device with the Qbus control app installed.



	Outdoor stations	Indoor stations
Power supply	POE or 12V	
Function & Specification	The Qbus SIP videophone consists of two models that can be either wall-mounted or surface mounting. The outdoor unit has two relay contacts that switch locally. SIP connection peer to peer, possible via SIP server or via the Qbus Control Cloud and Qbus control app. 2M pixel wide-angle camera lens with a viewing angle of 140° horizontally and 68° vertically. Light sensor switches the camera to black and white night vision in the dark.	Both the Qbus Navigators and UbieTouch can be used as indoor stations, as well as any device on which the Qbus Control app is installed.
Version	QSD01/BB: Qbus SIP videophone door station with 1 button, both flush-mounted and surface-mounted. QSD01K/BB Qbus SIP videophone door station with numeric keypad, both flush-mounted and surface-mounted.	See "Displays" for technical specifications.
Dimensions	215 mm (H) x 116 mm (W) x 36 mm (D)	



Wireless Easywave

The Qbus Wireless Interface (QWI) connects the wired Qbus system to wireless protocols. The QWI/EW connects Qbus to wireless Easywave components.

Easywave was developed specifically for home and building automation. Since 2001, the protocol has been continuously developed to adapt to new demands and requirements in the market. Given the limited power required to transmit signals via Easywave, this protocol has also been approved for use in medical environments.

The Qbus Easywave range offers various components for use in:

- Renovations (wireless switches, wireless switch modules, etc.)
- Hybrid wired/wireless applications: e.g. wireless window contacts detect that the window is open and turn down the heating...
- Qbus Care in service flats or lifelong living apartments: wireless panic buttons, neck transmitters, etc. send messages to care assistants or informal carers
- ...



Qbus Wireless Interface
(QWI/EW)



Qbus Wireless 2-channel
built-in transmitter
(QWE INP02/230)



Qbus wireless Easywave handheld
transmitter 1 button anthracite red
button (QWE-RC01/pulse)



Qbus wireless Easywave 10A relay
230V for wall installation
(QWE-REL01/230)



Qbus wireless Easywave
white window/door contact
(QWE-MC01/white)



Qbus wireless Easywave handheld
transmitter 4 buttons in metal housing
(QWE-RC04/metal)



Qbus wireless Easywave alarm
button anthracite red button
IP65 (QWE-PB/IP65)



Qbus wireless Easywave 10A
potentialfree relay for wall mounting
(QWE-REL01/230PF)



Qbus wireless Easywave
motion sensor white
(QWE-SEN01MW)

Wireless Zigbee

The Qbus Wireless Interface (QWI) connects the wired Qbus system to various wireless protocols. The QWI/ZB connects Qbus to wireless Zigbee components.

Zigbee is an open protocol for wireless connections between devices at short range. This means that our modules can also be used with approved Zigbee modules from other parties, such as Niko's wireless Zigbee switches and sockets.

The Qbus Zigbee range offers various components for use in:

- Renovations (wireless relays, wireless sockets, etc.)
- Hybrid wired/wireless applications: e.g. wireless radiator valves that automatically turn up the heating thanks to settings on the Qbus Control app.
- Energy management system: e.g. in combination with the Luqas module, you can manage your appliances via wireless sockets, reducing unnecessary energy consumption.



Qbus Wireless Interface
Zigbee
(QWI/ZB)



Qbus wireless Zigbee
thermostatic valve
(QWZ-RAD)



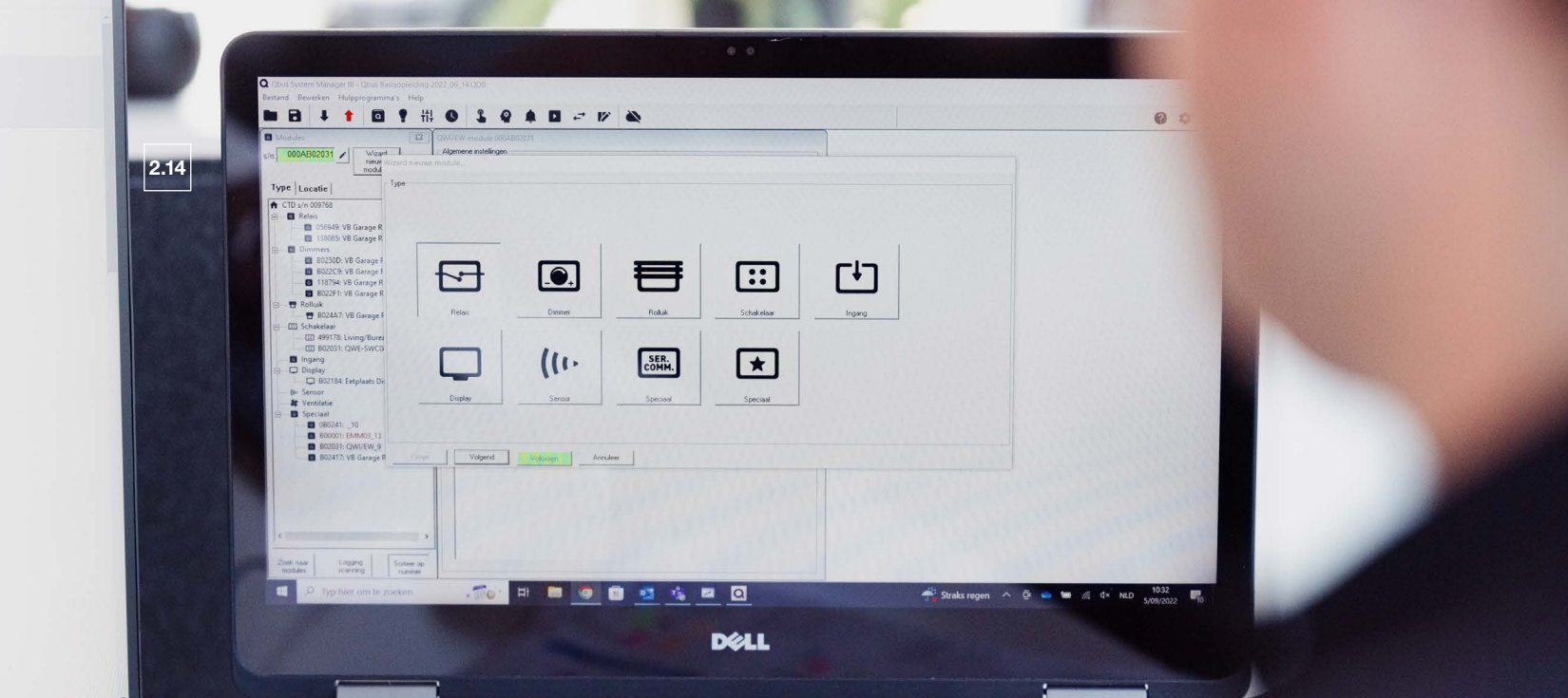
Qbus wireless
Zigbee relay
(QWZ/REL02/230)



Qbus wireless Zigbee
built-in thermostat
(QWZ-TH)



Qbus Wireless Zigbee Socket with
Energy Measurement (Belgian Version)
(QWZ-PPE/BE)



Software

Qbus offers software packages for system configuration, as well as for building control, visualisation and evaluation. We also offer software tools for developers to build applications on the Qbus system or to integrate other systems.

Configure, visualise, operate, evaluate, integrate

The Qbus Full system can be set up using the free configuration software. The free Qbus Control Cloud allows the home to be visualised and controlled from anywhere in the world via any platform (iOS, Windows, Android). The EQOmmmand software application allows videophony to be integrated and evaluate the behaviour of each output in detail.

Configuration software

System Manager III software: for configuring CTD controllers

Qbus System Manager III is the free configuration software for CTD10, CTD40, CTDmax and CTD01(E)(m), CTD02(E), CTD03(E) controllers and can be installed on any Windows PC. This software can be downloaded free of charge from **www.qbus.be**.

Qbus Control (Cloud)

With Qbus Control (Cloud), you can visualise and control your home from anywhere in the world, via any platform (iOS, Windows or Android). If desired, you can even have the Qbus controller send emails, text messages or push notifications when the children come home, water consumption suddenly increases sharply, or when the motion detector at grandma's house detects an alarm situation. Unlike the mobile app, the Cloud version is intended for use via a web browser, which is ideal for management and visualisation on larger screens such as laptops or desktops.

For more information, visit: **www.qbuscontrol.com**. Qbus Control is free with all controllers with a network port.

EQOmmmand

Item code: EQO

The EQOmmmand software runs on a Windows PC and allows one or more Qbus installations to be controlled and visualised in an intuitive, user-friendly way. Customers can easily create floor plans, assign outputs to specific rooms, etc.

Standard IP cameras can also be easily linked to EQOmmmand. Via the Eco Dashboard tab in EQOmmmand, all outputs can be viewed and compared in the form of a graph or meter. Electricity, water, gas, etc. meters can also be visualised. To activate EQOmmmand on the Qbus controller, a one-time EQOmmmand licence must be purchased for each controller to be visualised.

Qbus Control (app)

With the Qbus Control app (available for Android and iOS), you can visualise and control your home from anywhere in the world, via any platform (iOS, Android or Windows).

If desired, your Qbus controller can even send emails, text messages or push notifications when the children come home, water consumption suddenly increases sharply, or when the motion detector at grandma's house detects an alarm situation.

Unlike the Cloud version, the app has been specifically developed for mobile devices, allowing you to control your home quickly and easily while on the move.

Installer Dashboard*

The Qbus Installer Dashboard is a website where you can create Ubie installations and assign controllers. This allows the installer to remotely commission the system and provide support by adjusting programme files via a direct link to the system manager. The configurations for controllers are maintained on the Installer Dashboard and can be installed remotely. This means you no longer need to visit the customer for minor adjustments.

* Ubie noodzakelijk

Qbus Full Accessories

LEDs for push buttons

Item code: LED10/NA
Amber LED for Niko Push Button on INP02/04 - 10 pieces

Item code LED10/NB
Blue LED for Niko Push Button on INP02/04 - 10 pieces



DIN rail power supplies

Item code: CTDPWS
Additional DIN rail power supply 18Vdc/2.0A for CTD10, -40, -Max



CAN bridge

Item code: CABREL08-CON

- CAN bridge for 2x REL04SA
- CAN bridge for 2x ANR04SA
- CAN bridge for 1x REL08
- Wire section 1.5 mm²

Item code: REL08/SET10
CAN bridge for REL 08 module (10 pieces)



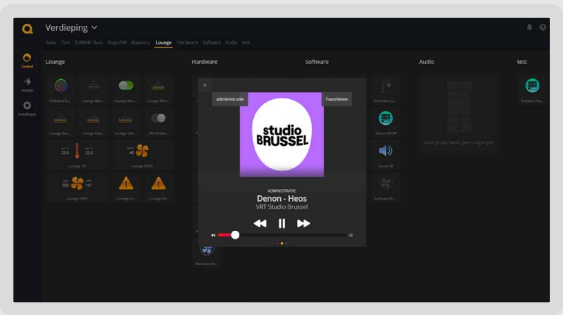
Bus cables

Item code: BUS10
Bus cable set of 10 pieces



Qbus Open

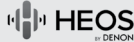
In recent years, the market has been flooded with smart devices and systems. At Qbus, we are convinced that we should not constantly reinvent the wheel, but that we should be able to integrate with the majority of these devices and systems. This is where Qbus Open comes in – a range of devices and solutions that allow Qbus to work together with other smart home protocols and smart devices. into one integrated system.



Create your own ambiances via Qbus Control.











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Ubie

Ubie: the plug & play coupling module that allows Qbus to work seamlessly with other automation systems such as KNX and Modbus, and with smart devices such as Sonos, ArtSound, Hue, IP cameras, Alexa, Google Home, Outlook calendar, etc.

Ubie connects:

- Home automation and building automation systems (such as Qbus, KNX, Modbus, etc.) with
- Smart devices (Sonos, Denon, Hue, Alexa, etc.) and
- Infrastructure applications (emergency call, alarm, etc.).
- Other applications can be easily integrated into Ubie via the Ubie Software Development Kit (SDK).

Thanks to Ubie, all these different systems work seamlessly with Qbus. With Qbus Control, you can operate these linked systems as a single integrated whole, from anywhere in the world and on any platform (Android, iOS or Windows).

Ubie makes it possible to:

- Visualise, monitor and control the home/building
- Create ambiances that allow you to control different outputs from different systems simultaneously with a single press of a switch or on the Qbus Control App/Cloud
- Control audio via a smart switch
- Set clock times (when should something be switched on or off?)
- Create logical links between the various underlying systems and devices
- Receive messages (e-mail, push notifications, SMS) based on measurements, time, actions, status, etc.
- Manage users and devices.

Versions

Ubie is available in different versions:



Ubiebox

Item code: Ubiebox

Includes the following apps: Qbus, Philips Hue, Sonos, Artsound, Denon, Alexa, videophony, Google Home, Outlook Calendar, Google Calendar. New apps that become available can be added later.

A plug-and-play device for homes and buildings. It contains the Ubie Operating System, the Ubie Chip and a motherboard with network connection and power supply, and can be plugged into the local network of the home or building. The Ubiebox registers itself on the Qbus Control environment.

The customer can create a Qbus Control account to configure their Ubie: creating groups with controls, setting clocks, creating ambiances, linking different devices, giving other people access to Qbus Control, etc. Ubiebox itself will discover the smart devices (home automation systems, consumer devices, technical apps) supported by Ubie so that the customer or installer can easily visualise, control or monitor them.

Ubiebox KNX

Item code: Ubiebox/KNX

Contains the following apps: KNX, Qbus, Philips Hue, Sonos, Artsound, Denon, Symfonisk, IP cameras. New apps that become available can be added later.

The Ubiebox KNX is a Ubiebox that also supports the KNX protocol. This allows Hue lamps, Google speakers, IP cameras, and Sonos sound systems to be connected to KNX installations in an easy, fast, and intuitive way, and these can be visualised, operated, and controlled via the Qbus Control interface.

Not all KNX data types are yet supported by Ubiebox/KNX. Please check the website www.ubiebox.com to see which data types are possible.

openHab

For linking applications that are not supported by Ubie, and where the "plug & play" feature is less relevant, the openHAB interface can be used.

openHAB is an open source platform on which various smart devices and systems have created a "binding" or integration. Technical programming knowledge is required to link different systems together via openHAB; the Qbus support department is involved in this process to provide the necessary integrations for the specific project on the openHAB interface.

The openHAB interface is available as a single module that includes the openHAB software, the Qbus software and the necessary bindings for the systems and devices to be connected (openHAB box). It is also possible to purchase only the software from Qbus and install it on your own platform. For more questions about openHAB integration, please contactsupport@qbus.be.



A selection of the hundreds of devices and systems that Qbus can be connected to via the openHAB interface:

Home Assistant

Qbus can be linked to Home Assistant, the open source platform that allows countless smart devices and systems to work together. Thanks to this integration, Qbus controllers can be easily added and operated within a Home Assistant environment.

The connection is made via the Qbus MQTT Gateway, which converts the Qbus protocol to MQTT. This allows the controllers to be automatically recognised and bistable outputs (including timers), dimmers and thermostats to be controlled directly. Additional outputs will be available in future releases.

Home Assistant can be installed on various devices, from a Home Assistant Green for beginners to advanced Linux platforms via Docker or scripts. For users who prefer to work with add-ons, special Qbus add-ons are available that simplify installation and management.

All Qbus entities in Home Assistant receive real-time updates, so the status of outputs and sensors is always displayed correctly. For further details, installation instructions and support, please visit <https://iot.qbus.be/>.



Discover all supported Qbus devices at <https://www.home-assistant.io/integrations/qbus/>

02

Qbus Services



Professional support for configuration, commissioning and integration.

In addition to its extensive range of Qbus products, Qbus also offers a range of specialised services to ensure the correct configuration, commissioning and integration of our systems.

Our services include the commissioning of Luqas modules, Luqas Charging Hub and complete Qbus home automation systems, as well as project management and engineering for complex or integrated installations.

Each commissioning is carried out by an experienced Qbus technician in accordance with the applicable procedures.

With Qbus Services, you are assured of reliable operation and efficient commissioning. Below is an overview of the available Qbus services.

✓ Commissioning Luqas module (LQSo6SA)

Leave nothing to chance. With the Luqas commissioning service, we ensure a smooth and correct start-up of the Luqas module.

The module is configured on site and tailored to the local installation and connected devices, according to the selected commissioning package. You can choose from 3 packages:

- Package 1: one controlled device
- Package 2: two controlled devices
- Package 3: three or more controlled devices.

Commissioning conditions: www.qbus.be/nl/indienststelling.

✓ Commissioning Luqas Charging Hub (LQSCH2oSA)

This service includes the configuration and start-up of the Luqas Charging Hub and the associated charging stations.

During this service:

- the Luqas Charging Hub is configured based on the local network and charging stations;
- charging profiles and power distribution are set up;
- communication is checked.

This service is offered on a quotation basis, depending on the specific situation.

✓ Commissioning Qbus home automation system

This service includes the start-up, configuration and functional adjustment of the entire Qbus home automation system.

The service team ensures that all modules are configured correctly.

The configuration is carried out in accordance with the approved plan, with any adjustments made to ensure optimum comfort, energy efficiency and ease of use.

This service is offered on a quotation basis, depending on the scope and complexity of the project.

✓ Project management & Engineering

For commercial buildings and larger projects, Qbus offers specialised support in project management, engineering and integration.

The service team coordinates HVAC, lighting, sun protection, access control and other systems with the aim of creating an energy-efficient, safe and comfortable environment.

The service includes support from design to aftercare: development, integration, configuration and after-sales.

Contact your Qbus representative or Qbus support via support@qbus.be.



Qbus NV
Joseph Cardijnstraat 19
9420 Erpe-Mere, Belgium
T +32 (0) 53 60 72 10

info@qbus.be
www.qbus.be – www.luqas.be
www.ubiebox.com – www.qbuscontrol.com

Qbus Nederland
Kelvinring 16, 2952BG Alblasserdam
The Netherlands
T +31 (0)78 692 1992

info@qbusnederland.nl

Qbus France
Rue Daniel Mayer 34
45100 Orléans, France
T + 33 (0)62 171 0882

fc@qbus.be

Qbus Orel South-East Asia
49 Sri Jinarathana Road
Colombo 02, Sri Lanka
T +94 11 4792 100

southeastasia@qbus.be

Qbus Middle East
Orel Middle East FZC
Saif Zone
Sharjah, UAE
T +97 154 353 5722

middleeast@qbus.be



