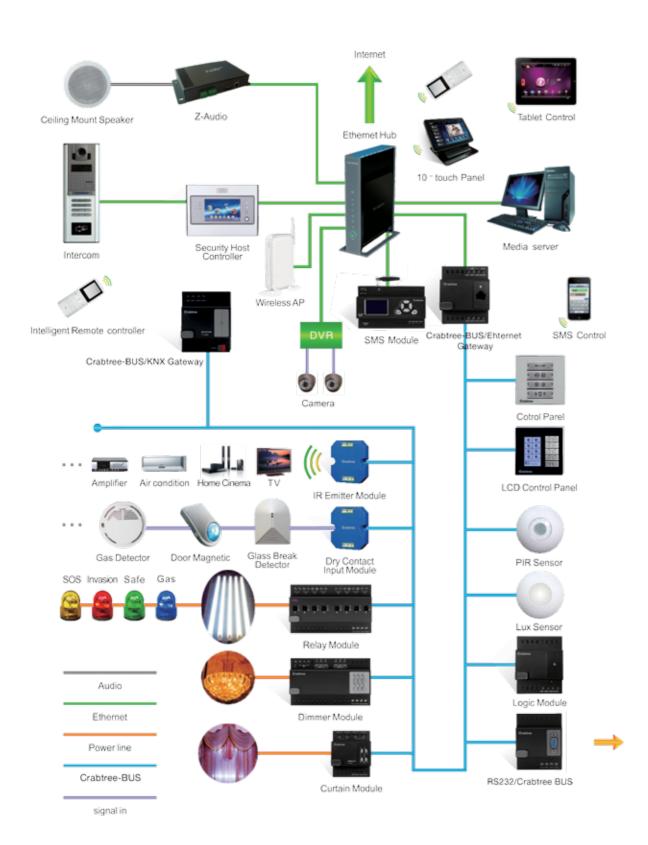
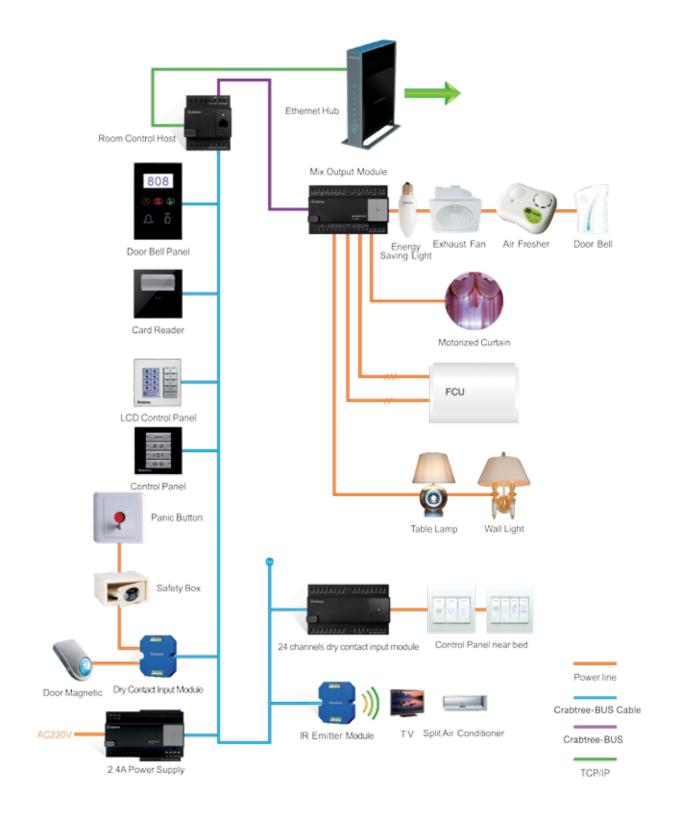


16 **Prabtree**





18 **Prabtree**



Systems Supported: (SiOS + IIII CINDROID + OSX + IIII Windows 8 Powered by



"Control your entire home automation system and audio/video equipment from a user-friendly interface"





• DVD



Lighting

• Curtain



Lighting



Blind

Climate



Background Music



Security



Multi Media Ventilation







Irrigation And More...

Nowadays, consumers look for comfort and simplicity. This concept,

into the home and building automation field, means the ability to have full control of Crabtree Buspro functions from the everyday devices that everybody has always on hand, like the smartphone or tablet.

i-Life is an app developed by Crabtree's engineers specially for Crabtree Buspro. With an attractive design and user-friendly interface, it is perfect for all kinds of people, whether or not they are familiar with the technology. Everybody will enjoy the power of controlling all the functionalities within their house or business with the flick of just a few buttons.





Install iRidium Transfer and iRidium GUI Editor on your



Setup the iRidium App on your control device



Create your interface or adjust a ready GUI template using



Upload your interface onto the target device using iRidium Transfer

Metro interface



Neon interface





Black Interface

20 **Crabtree** @rabtree 21



- 4 channels relay output, each channel is 1 A, max. DC30 V
- Supports 6 channels dry contact input
- Supports iLife control
- RJ45 communication
- Supports POE IEEE 802.3af
- Built-in RTC
- Buzzer control
- Scene control
- Supports SIP
- Supports Android appsParameters

- Power supply: 12~30 V DC POE IEEE 802.3af
- Power: Max. 15 W
- CPU:Samsung Exynos 4412 1.4 GHz ARM Cortex-A9 quad-core
- DDR: 2 Gigabyte DDR3
- Flash: 8 Gigabyte iNand
- Communication protocol:Buspro
- Touch screen: Capacitive screen
- Screen dimensions: 25.654 cm
- Screen resolution: 1280*800
- Screen ratio : 16:9
- Operation system : Android 4.0.4
- Ethernet port: RJ45 10/100 M • SD card : Max. 32 Gigabyte
- Camera: 5.0 megapixel, 2592x1944
- Dimensions : (269.2×209.2×39) mm
- Installation : Wall box



MTS10A.2WB



• Main interface



Air Control



TV Control





Lighting













Background Music



Media

Home











Conditioning





Matrix



Geothermal

System



Curtain













Crabtree 25 24 **Prabtree**



The granite panels are made of the most regular shapes, rectangles. With careful calculation on the proportion of each rectangle stripe, we make these obvious shapes a unique piece of ornament that naturally fits into your home.

Inspired by the concrete and glass modern buildings, Prism series panels consist of an elegant frame and covered entirely by a piece of glass on

With the elegant but minimul appearance, it perfectly merges into any deco.







Glass front plate

2.5D vertical edges

Metal frame



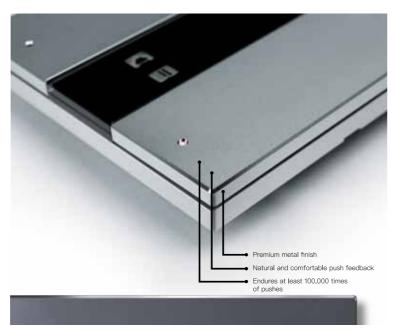
→ 2.5D vertical edges

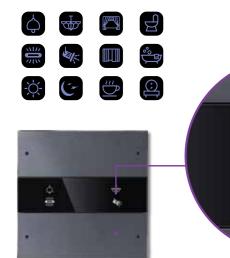
Intrinsic Experience

Most of the time when we see metal switch , we push it to control instead of touching it. So, we make it a push -button panel

More intuitive more beautiful

The icons on the panels just intuitively show you what to control. Compared to engraving words on the buttons, icons make the appearance more minimal and look better







Icons for intuitive control







Adjustable icon Adjustable icon backlight brightness backlight color

Adjustable indicator brightness and color

Specification

Size: (86×86) mm (EU), (86×116.5) mm (US)

Work Voltage: 12~30 V DC Communication Protocol: Buspro

Colour: Arctic Silver Space Gray Rose Gold

Prism series has two models Pro and Lite





Prism Pro

Prism Lite



Prism Pro

One Panel One Room

Prism pro is a powerful smart panel that allows you to control lights, curtain, background music, Air-conditioner and other devices.you only need one prism pro panel for one room so that the aesthetics of your beautiful walls wont be destroyed by switches installed on them

Easy to Use

Thanks to the 6.096 cm color display, you can see what you are about to control- which makes everyday use more intuitive & simpler.

Built in proximity sensor

Proximity sensor to automatically wake up the screen.

Prism Lite

Your Choice of Ultimate Simplicity

Prism Lite is designed to be minimal & easy to use. Everything is just done by a touch on the glass housed in the aluminium frame.it would be the perfect choice when you only need to control just a few devices.

Specification

Size: (86×116.5) mm; Prism Lite (86×86) mm (EU); (86×116.5) mm (US)

Work Voltage: 12~30 V DC Communication Protocol: Buspro Colour: White Black **Tile Smart Panel**

Tile Smart Panel

Plastic and Metal



Premium quality with two materials

Tile series comes with two versions of different materials; metal and plastic. Each one is able to give you a sense of premium quality, either with the refined sandblasting finishes on the metal one or the skin-like touch feeling on the plastic one.

Features and specifications

- * Flexible combinations for required functionalities.
- Supports various types of control targets
- Available in two materials and four colors.
- Runs on Crabtree Buspro protocol.
- Users are allowed to set the backlight colors for icons.
- Supports online upgrade.
- RGB icon backlight.



Controls everything you need

Tile is a series of intelligent control panels that has push-button keypads, OLED multi-functional panels, socket panels with USB ports and emergency button panels.

Its rectangular or square buttons are just like little tiles paved on the surface. It is able to keep the walls in a consistent and beautiful look while meeting various requirements of functionalities.





Lighting









Color: - Plastic: Ivory White - Metal: Champagne Gold Ash Gray Space Gray

- Horizontal







4-gang

4-gang

2-gang 3-gang Ivory White

- Vertical









Space Gray

Flexible combinations for functionalities

The basic unit of Tile is a keypad or socket panel in EU standard. You can use just one unit if it meets your requirement, or combine multiple units to serve more functionalities in a specific area.

For example, a four-button keypad and an OLED panel can be framed together to make a two-fold panel installed in the living room. In such a panel, the four-button keypad controls the on/off of devices while the OLED panel can work as a thermostat or music controller.



28 **(Carabtree**)

ENERGY MANAGMENT

The crowning feature of the Enviro panel is its ability to monitor in real time the electrical and water resources being consumed. This is particularly useful if a user is trying to cut down on their energy usage, or if they simply wish to be notified of excessive energy use.

12 LISTING PAGES

With a massive 12 listing pages users can control hundreds of targets in their building. These listing pages use large easy to read fonts, are capable of displaying 147 languages, and use universally acknowledged icons.

4.3 CAPACITIVE LCD

Sporting a 10.922 cm capacitive touch LCD screen, the Enviro Panel allows a user to know at a glance exactly what systems are active. The screen also boasts a cool blue back lit display that is capable of being constantly active, allowing fast location detection in dim or unfamiliar conditions.

MUTIPLE TARGETS

Users can take complete control over every feature of their building, with a single Enviro Panel. From lighting, curtains, music, scenes, sensors, timers, AC, floor heating, and even security solutions. This effortless control enables a user to know exactly what feature or appliance is being used and where.

Customize different plate and frame color



Parameters

- Working voltage: DC12~30V (From Crabtree-MPPI.46)
- Power consumption: 85 mA /DC24 V
- Terminal: (0.75-0.85) mm Diameter Single Core
- Housing Material:Glass, PC, ABS
- Installation:GI Wall Box
- $\bullet \quad \text{Dimensions: (86\times116.5\times10.5) mm \ (Normal) (96\times126.5\times10.5) mm \ (XL)}$









- Working power:12~30 V DC
- DC Current:45 mA/24 V DC
- Bus Terminal: 0.75-0.85(mm) Diameter Single Core
- Housing Material: Glass, ABS, PC
- Installation:GI Wall-Box
- Dimensions: (86×116.5×10.5) mm









7 Different Pages

With 7 separate and easy to navigate pages, a user can take complete control over their lighting, air conditioning, back ground music, floor heating, and security. Each of the pages has 8 buttons providing effortlessly smooth control, and 2 dedicated scrolling buttons. In addition to this located on the bottom of the panel are four customizable shortcut keys, giving you fast and intuitive system navigation.

Customizable

Every aspect of the DLP can be customised, from the on screen icons to the fascia colour, allowing the touch panel to be tailored to any environment or situation. A personalised logo or engraving can even be added to the screen to give you a truly unique solution.

Flush Mount

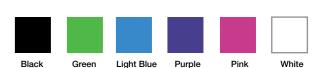
When the DLP touch panel is coupled with the flush mount system, the panel projects a mere 3mm from the wall. This seamless integration between panel and building has been designed to ensure that the panel is an organic element of the building, and does not intrude upon the aesthetics of a room.

Multi-functional

The DLP touch panel is able to do more than control every system and device in a building. With it's built in temperature sensor, data can be sent to the thermostat allowing each room to be monitored independently. This ensures that your heating and cooling solutions are optimized, and work as efficiently as possible.



Customize different plate and frame color



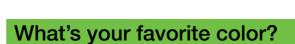




Curtain 30%







Your Company's Logo In The Switches

Give an excellent branding for your company using customized front plates with the logo of your company or the corporate colors.

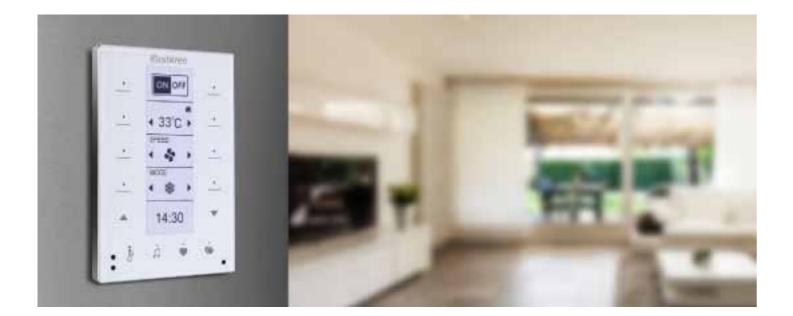
Choose The Color That Defines Your Home's Personality

We provide the possibility to print out layout colors, picture or image texture on the front plate that suit your lifestyle or with your interior designer's project. colors.









New generation DLP

New design features such as metal buttons with four left/right keys (in total eight individual buttons) which you can merge together and configure their LEDs. The frame and plate are selectable with different materials and colours to fit in with your lifestyle.

With just one DLP you can control your whole house. Up to 32 buttons distributed through four pages, you can control up to 99 targets with each button, and in total more than 3000 targets like lighting, curtain, blinds, HVAC, heating system, background music, etc.

The new firmware supports 147 different languages, has a user-friendly interface, and provides easy programming functions as well. The DLP panel allows connections with dimmers, relays, curtains, etc. directly without software. All the buttons have the ability to record the state of the rest of buttons and create with them new scenes in the DLP panel. This special function makes creating and changing scenes easy for the end user







Based on your personal favourites or your individual requeriments

- Selectable Plate
- Selectable Frame

Parameters

- Power supply DC12-30 V
- BUS power consumption 30 mA/DC24 V
- Installation: Wall mounting
- Dimensions : (86×86×10.5) mm

Functions

- Working with MPPI.48 panel power interface
- 8 control buttons, 2 page buttons, button combine function
- Multi Modes for button: Single on/ off single on single off combination on combination off combination on/off double click/ single on/ off double click/combination on/off, momentary clock timer short press/long press short press/long momentary "hyperlink" etc
- Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security, music
- IR remote control, adjustable LCD back light
- Floor heating, air conditioning and music control
- Support Crabtree Buspro online upgrading









34 **⊕rabtree** 35

- Power supply DC12-30 V
- BUS power consumption 30 mA/DC24 V
- Installation: Wall mounting
- Dimensions: (86×116.5×10.5) mm

Functions

- Working with MPPI.46 panel power interface
- 8 control buttons, 2 page buttons, button combine function
- Multi Modes for button: Single on/ off, single on, single off, combination on, combination off, combination on/off, double click/ single on/ off, double click/combination on/off, momentary, clock timer, short press/ long press, short press/long momentary, "hyperlink" etc
- Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security, music
- IR remote control, definable LCD back light
- Floor heating, air conditioning and music control
- Support easy programming
- Support Crabtree Buspro online upgrading



MPL8.46-A



Air conditioning control interface

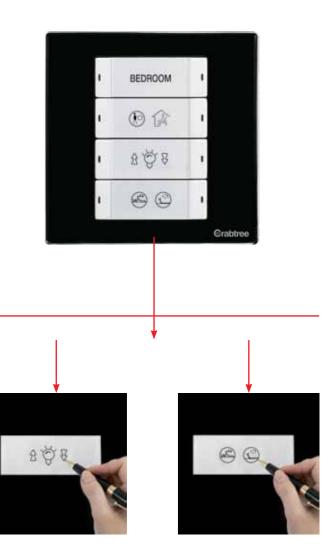
DIY Concept Do It Yourself

BEDROOM

Selectable plate and frame this is ideal in situations where you may need to regularly change or adjust the functionalities of different buttons.

The text on the buttons is easily adjustable, removable, and replaceable to suit your individual and changing needs. You simply print what you want, fix it to the button and cover it with the plastic sleeve.

This also makes it a very economical option as opposed to committing yourself to ones with design at the outset.

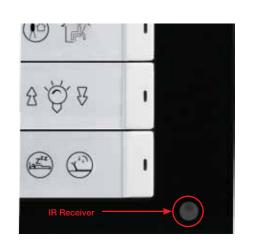


Multiple Control Pages





- Metal Buttons
- Electronic Labels
- Selectable Plate
- Selectable Frame



- Power supply DC12-30 V
- BUS power consumption 15 mA/DC24 V
- Installation: Wall mounting
- Dimensions (86×86×10.5) mm

Functions

- Working with MPPI.48 panel power interface
- 4/6/8 control buttons
- Multi modes for button: Single on/ off, single on, single off, combination on, combination off, combination on/off, double click/ single on/ off, double click/combination on/off, momentary, short press/long press, short press/long momentary etc.
- Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security, music
- Customize button labels
- Key lock function
- Key led status can be adjustable
- Support easy programming
- Support Crabtree Buspro online upgrading



MP4B.48



MP6B.48

Parameters

- Power supply DC12-30 V
- BUS power consumption 15 mA/DC24 V
- Installation: Wall mounting
- Dimensions (86×86×10.5) mm

Functions

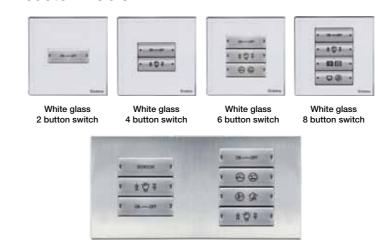
- Working with MPPI.48 panel power interface
- 4/6/8 control buttons
- Multi modes for button: Single on/ off, single on, single off, combination on, combination off, combination on/off, double click/ single on/ off, double click/combination on/off, momentary, short press/long press, short press/long momentary etc.
- Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security, music
- Customize button labels
- Key lock function
- Key led status can be adjustable
- Support easy programming
- Support Crabtree Buspro online upgrading



MP4B.48



Color of plate and frame is selectable and customizable





MP8B.48

Customize different plate and frame color



101 88 White glass White glass 8 button switch

. .







4 button switch

White glass

The back-light button lights up when it is touched

Each touch button has two-colour custom status which can be infinitely adjusted via the RGB value. The Touch Panel technology adjusts automatically to the changing environmental conditions such as humidity and temperature. Also other parameters such as the back-light's brightness and saturation are adjustable.

The color, icons and pattern of the plate can be customised

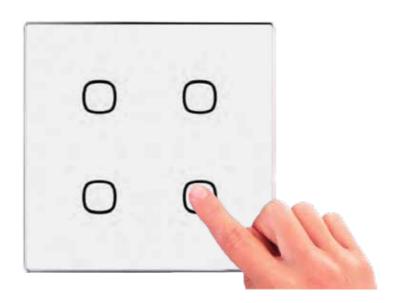




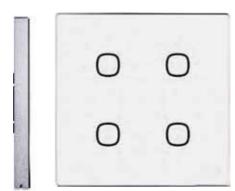


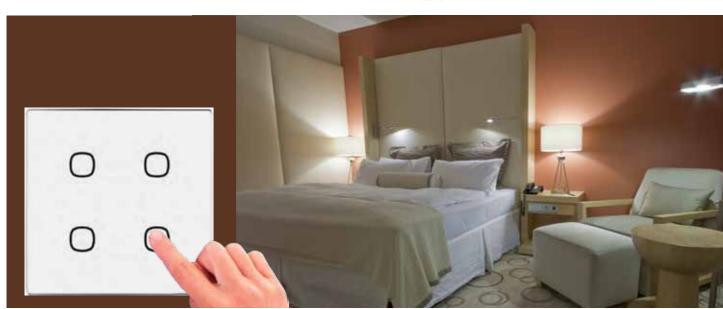
All RGB color are selectable





Status without backlight color





Parameters

- Power supply DC12-30 V
- BUS power consumption 20 mA/DC24 V
- Installation: Wall mounting
- Dimensions (86×86×10.5) mm

Functions

- Working with MPPI.48 panel power interface
- 1/2/3/4 touch control buttons
- Multi modes for button: Single on/ off, single on, single off, combination on, combination off, combination on/off, double click/ single on/ off, double click/combination on/off, momentary, short press/long press, short press/long momentary etc.
- Multi control types for button: Scene, sequence, timer, universal switch, single channel control, curtain, GPRS, panel, broadcast scene, broadcast channel, security module, music
- Adjustable RGB backlight
- Combination function for : Single on off, combination on/off
- Support easy programming
- Support Crabtree Buspro online upgrading







MPT2.46-A



MPT4.46-A



MPT6.46-A



Vision Video Outdoor Station, equipped with an integrated CMOS digital color camera and night light for stable and clear images, is ideal for smart homes and buildings. Features such as unlocking by Crabtree On app, indoor station, passwords and IC card, full-duplex voice intercom as well as video intercom through indoor station (S10 Touch Screen) or Crabtree On app are available, which makes it a secure and powerful door access system.

* Working voltage: 9~15 V DC

Power: Max. 3 W

Camera Resolution: 720 Pixel

Minimum illumination: 0.2 Lux (With night light compensation lamp)

Dimensions: Vision: (162×91×36) mm

Wall box (without rain hood): (162×91×49.5) mm

Wall box (with rain hood): (181×122×84) mm

* Net weight : Vision: 322 g Wall box: 96 g

Vision Plus Video Outdoor Station with Keypad, with an integrated 10.922 cm TFT LCD screen for intuitive and vivid display, is designed for single-family homes, multi-family homes, apartment buildings and residential complexes. The device includes a CMOS digital color camera and night light, providing the indoor station with stable and clear image. Features such as unlocking by Crabtree On app, indoor station, passwords and IC card, full-duplex voice intercom, video intercom through indoor station (S10 Touch Screen) or Crabtree On app are available, which makes it a secure and powerful door access system.

* Working voltage: 9~15 V DC

* Power: Max. 3 W * LCD screen: 10.922 cm

Screen pixel: 480 × 272

Dimensions: Vision Plus: (360×146×37) mm

Wall box: (337×131×55) mm Net weight: Vision Plus: 1526 g

Wall box: 682 g





The Smart Mirror

Striking an ideal balance between form & function, the smart mirror is able to control every element within a smart home, while retaining a stunning visual aesthetic.

Mirror cares about you

Able to communicate with multiple different sensors, smart mirror can precisely monitor and track a buildings internal environmental conditions with ease.





Mirror can speak

Packed with features, smart mirror can manage a home's security, function as an intercom, set reminders, and control multiple smart devices. More than just a mirror, smart mirror is your very own personal assistant.

One touch will change your life

As a fully functional Smart home interface, Smart Mirror is compatible with all Buspro and Buspro wireless automation solutions. Ideal for easy home control. It brings new dimension to smart home management.





Double up the functionalities in an elegant way

You can avoid a scattered, untidy look by having two panels next to each other, and at the same time bring all of your required functionalities into the one place.









Easy and economic solution to extend your BUS

This is also a very cheap solution, as you only need to extend the bus cable by a few centimeters to reach the adjacent panel. It gives you the advantage of less construction work and ugly drilling and chasing for separately-placed panels



Create a double panel combining two user interfaces

We can have the individual plates finished to whatever color or template you require. The two panels can be color-coordinated to your individual requirements and aligned neatly for optimum esthetic appearance.

















MPLPI.46-A / MPLPI.48-A









Parameters

- Power supply DC12-30 V
- Installation: Wall mounting

MPLPI.46-A

• Dimensions (80×110.5×28.5) mm (US) (80×80×28.5) mm (EU)

Functions

- Panel power interface, working with new panel plate US
- Crabtree Buspro interface, fast connector need to use Crabtree Buspro/KNX cable

Panel power

MPLPI.48-A





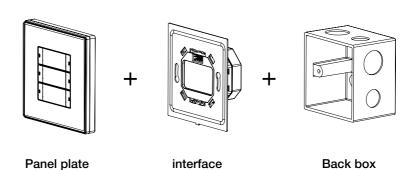
Parameters

- Power supply DC12-30 V
- Installation: Wall mounting
- Installation:Standard GI and EU box
- Dimensions (80×110.5×28.5) mm (US) (80×80×28.5) mm (EU)

Functions

- Panel power interface, working with new panel plate EU
- Crabtree Buspro interface, fast connector need to use Crabtree Buspro/KNX cable

Installation diagram



MD0206.432



- Output channel: 4 channel RelayDimensions (72×90×66) mm
- 4 channel relay output
- Maximum 4 separate areas
- Each area has 8 scenes, maximum runtime of scene: 60 minutes

MR1210.433



- Output channel: 12 channel Relay
- Dimensions (216×90×66) mm
- 12 channel relay output
- Maximum 12 separate areas
- Each area has 24 scenes, maximum runtime of scene: 60 minutes

MD0206.432



- Output channel: 8 channel RelayDimensions (144×90×66) mm
- 8 channel relay output
- Maximum 8 separate areas
- Each area has 16 scenes, maximum runtime of scene: 60 minutes

Parameters

- Power supply DC15-30 V
- Static BUS power consumption 15 mA/DC24 V
- Dynamic BUS power consumption: 40 mA/DC24 V
- Current in each channel 10 A
- life time for relay unit More than 60,000 times
- Protection : Need MCB for each channel
- Installation: Standard 35 mm Din Rail
- Capacity load of Relay: < 150 μF

Functions

- 4/8/12 channel relay output
- 4/8/12 separate areas
- Each area has 8/16/24/32 scenes, maximum runtime of scene: 60 minutes
- Each area has 2 sequences, each sequence has 12 steps
- Each channel has lights protection delay: 0-60 minutes
- Each channel has switch on delay time: 0-25 seconds
- Manual buttons ON and OFF for each channel
- · Remote program and management are available
- Can go back to previous scene or designated scene once the system
 restart
- LED lights available for indicates of each channel
- Staircase lamps function and Mutual exclusion function
- Support easy programming
- Support Crabtree Buspro online upgrading

MR0416.431



- Output channel: 4channel Relay Dimensions (72×90×66) mm
- 4 channel relay output
- Maximum 4 separate areas
- Each area has 8 scenes, maximum runtime of scene: 60 minutes

MR1216.433



- Output channel: 12 channel Relay
- Dimensions (216×90×66) mm
- 12 channel relay output
- Maximum 12 separate areas
- Each area has 24 scenes, maximum runtime of scene: 60 minutes

MR0816.432



- Output channel: 8 channel RelayDimensions (144×90×66) mm
- 8 channel relay output
- Maximum 8 separate areas
- Each area has 16 scenes, maximum runtime of scene: 60 minutes

Parameters

- Power supply DC15-30 V
- Power consumption: Static power consumption: 10 mA/DC24 V
 Dynamic power consumption: 35 mA/DC24 V
- Current in each channel 16 A
- life time for relay unit More than 60,000 times
- Protection Need exterior protection switch
- Installation: Standard 35 mm Din Rail
- Capacity load of Relay: < 300 μF

- 4/8/12 channel relay output
- Maximum4/8/12 separate areas,
- Each area has 8/16/24/32 scenes, maximum runtime of scene: 60 minutes
- Each area has 2 sequences, each sequence has 8 steps
- Each channel has lights protection delay: 0-60 minutes
- Manual buttons ON and OFF for each channel
- Remote program and management are available
- Can go back to previous scene or designated scene once the system restart
- Each channel has switch on delay time: 0-25 seconds
- Each area has 2 sequence, the maximum step units of each sequence is same as channel units
- Staircase lamps function and Mutual exclusion function
- Support easy programming
- Support Crabtree Buspro online upgrading

MD0206.432



- Output channel: 2 channel/6 A
- Fuse:10 A aR type
- TRIAC: 25 A bidirectional TRIAC, minimum load 40 W
- Maximum 2 separate areas, each area has 12 scenes

MD0403.432



- Output channel: 4 Channel/3A
- Fuse: A aR type
- TRIAC: 25 A bidirectional TRIAC, minimum load 40 W
- Maximum 4 separate areas, each area has 12 scenes

MD0403.432



- Output channel: 6 channel/2 A
- Fuse: 4 A aR type TRIAC: 16 A bidirectional TRIAC, minimum load 40W Maximum 6 separate areas, each area has 12 scenes

Parameters

- Power supply: 110/240 V±10%
- BUS Working voltage: DC12-30 V
- BUS power consumption:28 mA/DC 24 V
- Dimming curves: linear, x,x,x
- Dimensions:144X90X66(mm)

Functions

- Maximum 6/4/2 separate areas, each area has 12 scenes
- Maximum 6 sequences, each sequence has 12 steps
- 512 dimming step, 4 dimming curves
- Low, high or max threshold are available in each channel to suit the different loads;
- Manual buttons ON and OFF for each channel
- Can go back to previous scene or designated scene once the system
- Short circuit protection over temperature protection
- Support easy programming
- Support Crabtree Buspro online upgrading

MDT0203.433



- Output channel 2 channel/3 A
- Fuse: 10 A aR type
- Maximum 2 separate areas, each area has 12 scenes
- Dimmer is based on the technology of MOSFET. It has
- 2 output channels and manual switch is available for each channel. Each channel can choose leading edge or trailing edge by software. This is very useful when user has different type of loads. And it has short circuit protection and over heat protection

MDT04015.433



- Output channel 4 channel/1.5 A
- Fuse: 8 A aR type
- Maximum 4 separate areas, each area has 12 scenes Dimensions 216×90×66(mm)

Dimmer is based on the technology of MOSFET. It has 4 output channels and manual switch is available for each channel. Each channel can choose leading edge or trailing edge by software. This is very useful when user has different type of loads. And it has short circuit protection and over heat protection

Parameters

- Power supply AC110/240 V
- BUS Working voltage DC12-30 V
- BUS power consumption 25 mA/DC24 V
- Dimming curves: linear, x^{1.5},x^{2.0},x^{3.0}
- Dimensions 216×90×66(mm)

- Maximum 2/4 separate areas, each area has 12scenes
- Each output channel has LED indicator for status and manual switch
- Maximum 6 sequences, and 12 steps for each sequence
- Low Threshold, High Threshold, Maximum Threshold are all available for each channel
- Each channel can choose leading edge or trailing edge
- Can select specified scene or scene before power off when the device
- · Short circuit and over heat protection
- 4 dimming curves
- Supports online upgrading

MDT0601.433



Parameters

- Power supply AC110/240 V
- BUS Working voltage DC12-30 V
- BUS power consumption 25 mA/DC24 V
- Dimming curves: linear, x^{1.5},x^{2.0},x^{3.0}
- Dimensions (216×90×66) mm

Functions

- Maximum 6 separate areas, each area has 12 scenes
- Each output channel has LED indicator for status and manual switch
- Maximum 6 sequences, and 12 steps for each sequence
- Low Threshold, High Threshold, Maximum Threshold are all available for each channel
- Each channel can choose leading edge or trailing edge
- Can select specified scene or scene before power off when the device restarts
- Short circuit and over heat protection
- 4 dimming curves
- Supports online upgrading

TRIAC Constant Current LoadMCR01.40

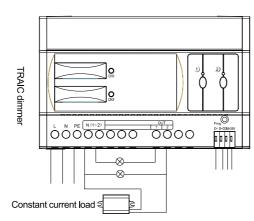


Parameters

- Power supply DC 0-240 V
- Load constant current < 15 mA
- Working condition Working temp 0°C ~45°C
- Working relative humidity up to 90%
- Storage temperature -20°C ~+60°C
- Storage relative humidity up to 93%
- Dimensions (37.4×26.7×22.6) mm

Functions

- 1 load channel
- 15 mA constant current
- Working with TRAIC dimmer
- Connected in parallel when working with the lamp



Note: above picture is set Crabtree TRAIC dimmer as an example, the module can supply minimum 15mA current for TRAIC, this module can solve the flicker problem when d imming the Lamps such as some LEDs and low voltage Halogen.

Parameters

- Power supply 3 phase (L1, L2,L3, N,PE)
- Power input: AC220 V±10%
- Protection: Overload protection
- Installation Wall hanging

SB-WL-D0610



Functions

- 10 bit dimming Accurate;
- Hardware bypass function;
- Up to 6/12 separate scenes
- Up to 99 scenes in each area, maximum runtime of scene is 60 minutes
- Up to 99 sequence, 99 steps in each sequence; each sequence has 60 minutes as interval time; there are four types of sequences: Forward/Backward/Ramdom/Forward&Backward
- Low, high or maximum threshold are available to suit the different loads in each channel;
- Emergency bypass in each channel;
- Remark information provided in each scene, area, channel and sequence;
- With fire emergency switch
- Can go back to previous scene or designated scene once the system restart

- Output channel 6 channel dimming Dimensions (470x290x162) mm
- Current in each channel: each channel 10 A; total less than 60 A
- Maximum 6 separate areas Can provide 200 mA current to BUS

SB-WI -D0620



- Output channel: 6 channel dimming Dimensions: (600 x290x162) mm
- Current in each channel: each channel 20 A, total less than 120 A
- Maximum 6 separate areas
 can provide 200 mA current to BUS

SB-WL-D1210



- Output channel: 12 channel dimming Dimensions: (600 x290x162) mm
- Current in each channel: each channel 10 A, total less than 120 A
- Maximum 12 separate areas Can provide 200 mA current to BUS

SB-WL-B0120



SB-WL-B0210



Parameters

- Power supply AC 220 V±10%
- Protection Need exterior protection switch
- Output channel: 1 channel dimming output
- Output current 20 A
- Installation: wall hanging
- Dimensions (288x200x100) mm

Functions

- Dimmable power amplifier
- AC0-240 V power input
- DC 0-10 V control signal input

Parameters

- Power supply AC 240 V±10%
- Protection Need exterior protection switch
- · Output channel: 2 channel dimming output
- Output current 10 A
- Installation: Wall hanging
- Dimensions 288x200x100(mm)

Functions

- Dimmable power amplifier
- AC0-240 V power input
- DC 0-10 V Control signal input

MD0206.432



- Power supply AC 240 V±10%
- Output channel 3 channel DC24 V 4 A
- Dimensions (310×230×87) mm

MD0206.432



- Output channel: 8 channel Relay Dimensions (144×90×66) mm
- 8 channel relay output
- Maximum 8 separate areas Each area has 16 scenes, maximum runtime of scene: 60 minutes

MR1210.433



- Power input DC10-30 V
- Output 650 mA
- Dimensions (96×58.5×22.5) mm
- 3 output channel for LED Strip
- PWM constant voltage output for LED strip

Parameters

- Signal interface DMX512 1990
- Installation: Wall hanging

Parameters

- Power supply DC15-30 V
- Static BUS power consumption 20 mA/DC24 V
- Dynamic BUS power consumption: 40 mA/DC24 V
- Output: 6 Channel/5 A
- LED power input 12-30 V DC
- Dimensions (144×90×66) mm

- Maximum 6 separate areas, each area has 12 scenes
- Maximum 6 sequences, each sequence has 12 steps, each step has 60 minutes as interval time; there are four types of sequence: Forward/Backward/Random/Forward& Backward;
- Low, high or max threshold are available in each channel to suit the different loads;
- Can go back to previous scene or designated scene once the system
- Manual buttons ON and OFF for each channel
- Short circuit protection, over load protection
- 5A output current in each channel
- PWM constant voltage output for LED Lamp and LED strip
- Support easy programming
- Support Crabtree Buspro online upgrading

- Power supply DC 15-30 V
- Power consumption 30 mA/DC24 V
- Installation: Standard 35 mm Din Rail
- Dimensions: (144×90×66) mm

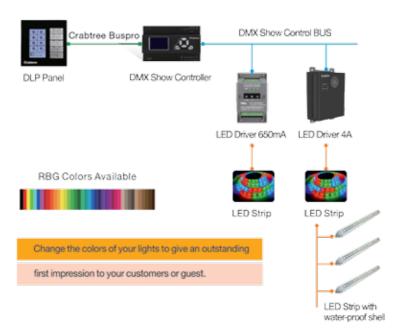
Functions

- 6 channel relay output
- Manual buttons ON and OFF for each channel
- LED lights available for indicates of each channel
- Maximum 6 separate areas, each area has 12 scenes
- Maximum 6 sequences, each sequence has 12 steps, each step has 60 minutes as interval time; there are four types of sequence: Forward/ Backward/Random/Forward& Backward;
- Low, high or max threshold are available in each channel to suit the different loads;
- Can go back to previous scene or designated scene once the system restart
- Support easy programming
- Support Crabtree Buspro online upgrading

MRDA0610.432



- Current in each relay channel 10 A
- Capacity load <150 μF
- Support input DC24 V
- Sink/output 100 mA current for each 0-10 V channel, 6 channel total no less than 300mA
- Suitable for 0-10 V Fluorescent dimming control
- Suitable for 0-10 V LED dimming control





Ballast Dimmer, 0-10 V Output MRDA0610.432

Parameters

- AC input: 230 V AC±10%
- BUS power consumption: 200 mA/DC24 V
- Interface: 128x64 dot matrix graphic LCD 6 manual buttons
- Installation: Standard 35 mm Din Rail
- Dimensions: (144x90x66) mm
- Built-In Ethernet port

Functions

- Gateway: DMX(DXM512/1990 or ArtNet) to Crabtree Buspro (one way)
- DMX decode: ArtNet to DMX512/1990
- MAX receivable DMX channel: 48
- Each DMX channel support 16 targets

MBUS-DMX.232

Introducing DMX Gateway, a gateway unit which integrates Crabtree-Buspro system with DMX Lighting Control system, enabling control all range of Buspro features as dimmers, relays, etc. from professional lighting desks

DMX Scene Recorder

SB-DN-Recorder



Introducing DMX Gateway, a gateway unit which integrates Crabtree-Buspro system with DMX Lighting Control system, enabling control all range of Buspro features as dimmers, relays, etc. from professional lighting desks

Parameters

- Power supply: AC220±10%
- BUS power consumption: 200 mA/DC24 V
- Interface: 128x64 dot matrix graphic LCD 6 manual buttons
- Installation: Standard 35 mm Din Rail
- Dimension: (144x90x66) mm
- Built in Ethernet port

Functions

- Total capacity: 256 Mbyte
- PC remote operation, download programs, play programs, delete programs
- Signal Interface: Crabtree Buspro, Rj45
- Support ArtNet DMX
- has two play modes single or loop playback
- Wall panel playback
- Up to 4 hours records for programs

SB-DN-48DMX



SB-DN-512DMX



Parameters

- Power supply: DC12-30 V
- BUS power consumption: 40 mA/DC24 V
- Installation: Standard 35 mm Din Rail
- Dimension: (72x90x66) mm
- Built in ethernet port

Functions

- Up to 48 areas
- Each area has 99 scenes, maximum scene run time:60 minutes
- Up to 99 sequences, each sequence has 99 steps, maximum step run time: 60 minutes, 4 modes for the sequences "Forward", "Backward", and "Back and forth", "Random".
- DMX512 signal output (1990 version) and Crabtree-NET DMX output
- Supports self-program and test functions
- Supports remote program and manage functions
- Low, high, max threshold for each channel
- Crabtree Buspro and Ethernet double way data communication
- Intelligent data exchange, reducing data traffic
- Device can be restored to previous scene or designated scenes



Parameters

- Power supply: DC12-30 V
- BUS power consumption: 200 mA/DC24 V
- Interface: 128x64 dot matrix graphic LCD 6 manual buttons
- Installation: Standard 35mm Din Rail
- Dimension: (144×90×66) mm
- Built in Ethernet port

Functions

- Can be pre-set up to 500 scenes, scene running time from 0.1 second to 60 minutes
- Crabtree-NET DMX signal output
- Each channel has gradual and abrupt change properties
- Crabtree Buspro and ethernet double way data communication
- Up to 99 sequences, each sequence has 255 steps, step running time from 0.1 second to 60 minutes, 4 modes for the sequences "Forward", "Backward", and "Back and forth", "Random".
- Soft reset with power on
- DMX512 signal output (1990 version)

SB-DN-2Motor



MAC01.331



Parameters

- Power supply: DC15-30 V
- BUS power consumption: 35 mA/DC24 V
- Controllable curtain: 2 curtains
- Motor type: Capacitive single phase
- Channel max output current: 5 A
- Lifetime for relay unit: 60,000 times
- Installation: Standard 35 mm Din Rail
- Dimension: (72x90x66) mm

Functions

- 2 channel curtain control
- · Hardware and software interlock for forward or backward
- Forward and backward delay

Parameters

- Power supply: DC15-30 V
- BUS power consumption: 95 mA/DC24 V
- Max relay current load: 2 A
- Installation: Standard 35 mm Din Rail
- Dimension: (72x90x64) mm

- 4/8/12/16 channel relay output
- 4/8/12/16 separate areas
- Each area has 8/16/24/32 scenes, maximum runtime of scene: 60 minutes
- Each area has 2 sequences, each sequence has 12 steps
- Each channel has lights protection delay: 0-60 minutes
- Each channel has switch on delay time: 0-25 seconds
- Manual buttons ON and OFF for each channel
- Remote program and management are available
- Can go back to previous scene or designated scene once the system
- LED lights available for indicates of each channel
- Staircase lamps function and Mutual exclusion function
- Support easy programming
- Support Crabtree Buspro online upgrading





MFH04.432

MC64-DALI.431



MCLog.431



Parameters

- Power supply: DC15-30 V
- Dynamic power consumption: 150 mA/DC24 V
- Static power consumption: 30 mA/DC24 V
- Output channel: 6
- Maximum channel current: 10 mA/DC24 V (0-10V output) 1 A/220 V AC (Relay output)
- Lifetime for relay unit: 5,000,000 times
- Protection: External breaker
- Dimension: (144x90x66) mm

Functions

- 6 channels floor heating or cooling control
- 2 output ways in each channel: relay output and 0-10 V output
- Temperature adjustment range:5 ~40 (0.5 accuracy)
- Timing or manually floor heating system flush function by timer or manually
- Support controlling external high power relay modules
- Auto protect from error temperature collection
- Support Crabtree Buspro online upgrading

Parameters

Bus Voltage : DC18-30 V

Power Consumption: 80.5 mA/DC24 V

Dimensions: (144×90×66) mm

Installation: 35mm Din Rail

Functions

- The MFAN04.432 can simultaneously support four fans
- The MFAN04.432 can be controlled via Crabtree Panel
- Each channel can output 8 fan speeds; 0 being off and 7 being maximum
- Through output different voltage to control wind speed
- The MFAN04.432 can be easily programmed
- The MFAN04.432 communicates via the Crabtree Buspro Protocol

Parameters

- Power supply: DC12-30 V
- BUS power consumption: 15mA/DC24 V
- DALI independent power supply: AC110/220 V
- Interface: Crabtree Buspro And DALI
- Installation: Standard 35 mm Din Rail
- Dimension: (72x90x66) mm

Functions

- Transform Crabtree signal into DALI signal
- Up to 64 DALI channels
- Scene controller
- Support maximum 16 independent areas
- Available function for each channel: Low and high threshold, system failure, DALI component electrify restore
- Fire emergency function
- After device reboot, there is a option to run the designated
 - back to the last 20 seconds scene before power off
- Support Crabtree Buspro online upgrading

Parameters

- Power supply: DC12-30 V
- BUS power consumption: 15 mA/DC24 V
- Installation: Standard 35 mm Din Rail
- Dimension: (72x90x66) mm

- Editable daily events
- Maximum 12 logic blocks, each block has 20 logic tables, tables can be connected with each other
- Maximum 4 input conditions and 20 output targets in each logic table
- Logic table input conditions: Time, status of channel, external inputs, universal switch etc
- · Logic relations: and, or, nand, nor
- Support Crabtree Buspro online upgrading

MBC06.431



Parameters

• Interface: 6 fast connections for Crabtree Buspro

• Installation: Standard 35 mm Din Rail

• Dimension: (72x90x66) mm

Protection: IP20

Functions

- Simple method to interconnect 6 different Crabtree Buspro Lines.
- Easy installation and maintenance

MBR06.431



Parameters

Working voltage : DC 12-30 V

• Power Consumption: 10mA/24 V DC

Ports: 6

• Devices for each port: 0-63

Communication : Crabtree Buspro

Housing Material: Nylon, PC

• Installation: 35mm Din rail installation

• Dimensions: (72×90×66) mm

Functions

- Filter data
- Check the data
- Supports 6 bus cables, each bus cable can connect upto 63 devices.
- Comunication: Crabtree Buspro
- Supports online upgrading

MSP750.431



MSP1200.431



SB-DN-PS2.4A



Parameters

- Power supply: AC240 V±10%
- Frequency: 50-60 Hz
- Output current: 750 mA / 1200 mA / 2400 mA
- Output voltage: DC24 V
- Installation: Standard 35 mm Din Rail
- Dimension: (72x90x66) mm

- Power supply: AC110/220 V±10%
- Frequency: 50-60 Hz
- Output current: 2.4 A
- Output voltage: DC24 V
- Installation: Standard 35 mm Din Rail
- Dimension: (144x90x66) mm

SB-IR-Learn.01



Parameters

- Parameters
- Frequency of IR: 38 kHz ± 20%
- Installation: USB 2.0 Interface
- Dimension: (98x70x38) mm
- For Learning IR codes, sending learned IR codes for test
- USB Interface, no drive for use
- Indicator LED flashing when learning code

Functions

- USB Interface, no driver and easy to use
- Infrared Code learning
- Infrared Code sending test
- Indicator will flash when the device is learning the IR Code

SB-IR-EM



Parameters

- Power supply: DC12-30 V
- BUS power consumption: 15 mA/DC24 V
- Remote controller code storage: Maximum 200 IR codes
- IR Transmit carrier frequency: 38 kHz
- Dimension: (45x40x13) mm
- IR remote control signal transmitter
- · Detecting state of controlled equipment

Functions

- Current detecting function for identify device On/Off status
- Maximum 200 IR Codes can be stored
- To send the IR codes by using a IR LED
- Supports upgrade from Crabtree Buspro

SB-IR-Learn.01



Parameters

- Buspro power supply: DC12-30 V
- BUS power consumption: 30 mA/DC24 V
- IR Transmit carrier frequency: 38 KHz
- Dimension: (45×45×16) mm
- Distance for IR control: 6 m

Functions

- Current detection: Detect the device status (on/off) by current.
- Drive the transmitting tube directly.
- 4 IR emission channels
- Supports 24 devices and 100 learning IR codes.
- Supports upto 99 UV Switches.

Crabtree-MBUS01IP.431



MSD08.40



Parameters

- Power supply: DC12-30 V
- BUS power consumption: 10 mA/DC24 V
- Installation: Screw fix installation
- Dimension: (45x45x16) mm

Functions

- 4 channels dry contact input
- 4 channels state indicator output
- Dimming function
- Tamper alarm
- Security function, to be used with the security module
- Switch type: Mechanical switch, Single-On, Single-Off, Single-On/Off, Combination-On, Combination-Off, Combinations, Multi-functional, Parallel switch
- Control target type: Scenes, sequences, universal switches, single channel adjustment, broadcast scene, broadcast channel, curtain control, panel control, GPRS function, fire alarm control and music play
- Support Crabtree Buspro online upgrading

Parameters

- Power supply: DC12-30 V
- BUS power consumption: 10 mA/DC24 V
- Installation: Screw fix installation
- Dimension: (45x45x16) mm

- 8 channels dry contact input
- Dimming function
- Tamper alarm
- Security function, to be used with the security module
- Switch type: Mechanical switch, Single-On, Single-Off, Single-On/Off, Combination-On, Combination-Off, Combinations, Multi-functional, Parallel switch
- Control target type: Scenes, sequences, universal switches, single channel adjustment, broadcast scene, broadcast channel, curtain control, panel control, GPRS function, fire alarm control and music play
- Support Crabtree Buspro online upgrading

MRS232.431 / MRS232U.431

MRS232.431



L N PE Crabtree MRS232U.431 (* Refs D-0 ON ON DOIN DANN DANN DON

MRS232U.431

Parameters

- Working voltage: DC 15~30 V
- BUS Power consumption :15 mA/DC24 V
- Baud rate: 1200, 2400, 4800, 9600, 14400, 19200, 38400, 57600, 115200 bps
- Databit: 8
- Stop bit:1,2
- Communication:Buspro/RS232/RS485
- Dimensions: (72X90X66) mm

Functions

- Realise mutual control between devices in RS 232and buspro
- Achieve remote transmission from RS232 to RS 485
- It can achieve that RS232 control buspro and buspro controls RS232
- It can input upto 99 control commands, each control command can input upto 33 ASCII Characters
- Communication:Buspro/RS232/RS485
- Supports online upgrade

Parameters

- Working voltage: DC 15~30 V
- BUS Power consumption :15 mA/DC24 V
- Baud rate: 1200, 2400, 4800, 9600, 14400, 19200, 38400, 57600, 115200 bps
- Databit :8
- Stop bit:1,2
- Communication:Buspro/RS232/RS485
- Dimensions:(72X90X66) mm

Functions

- Communication:Buspro/RS232/RS485
- It can achieve that RS232 control buspro and buspro controls Rs232
- It can achieve that RS485 control buspro and buspro controls Rs485
- It can input upto 100 control commands, each control command can input upto 33 ASCII Characters
- Target Number: 1~10
- User can set the RS232 interface Baud rate

Crabtree-MBUS01IP.431



SB-DN-EIB



Parameters

- Power supply: DC15-30 V
- BUS power consumption: 40 mA/DC24 V
- Crabtree Buspro subnet numbers: 1 Crabtree Buspro subnet
- Signal interface: Crabtree Buspro, RJ-45
- Installation: Standard 35 mm Din Rail
- Dimension: (72x90x66) mm

Functions

- Crabtree Buspro and Ethernet double way data communication
- support internet remote access connection
- Intelligent data exchange, reducing data traffic

Parameters

- KNX Power supply: DC15-30 V
- KNX power consumption: 5 mA/DC24 V
- Interface: Crabtree Buspro EIB-BUS (KNX)
- Programming software: Crabtree Buspro setup tool
- Installation: Standard 35 mm Din Rail
- Dimension: (72x90x66) mm

- Crabtree Buspro and KNX two ways data converting
- Supports multiple types of data points
- Can be set up to 254 goals in two-way conversion control

HomePlay Network Player

MZBOX-A50B.30

Parameters

- Power supply: DC12-30 V
- BUS power consumption: 9 mA/DC24 V
- Thermister operating temperature range: -30°C ~ 100°C
- Installation: Standard (86x86) mm installation
- Dimension: (45x40x13) mm

Functions

- 4 channels temperature detection
- Each thermistor channel has 3 setting modes: By default, predetermined resistance, custom indexing table





Better Together.

Quickly and intuitively browse through the entirely of your music collection. With the ability to directly play files from network attached storage devices (NAS), an onboard Micro SD card slot, an onboard USB port and your connected iOS & Andriod devices total audio management has never been

This coupled with native MP3, WMA, AAC, AAC+. ALAC, FLAC, APE, and WAV format support makes all your music just a tap or click away.

AAC AAC+.ALAC FLAC



MP3



WMA







APE



WAV

SB-DN-SEC250K

Security Module/Ceiling Speaker Manual

Parameters

- Working Voltage: DC15-30 CV
- Power Consumption: 15mA/DC24 V
- Dimmensions: (72x90x66) mm
- Installation: Standard 35 mm DIN Rail
- Interface: Crabtree Buspro

Functions

- 8 Separate zones for different security purposes
- Multiple security modes: Away, Holiday, Daytime, Nighttime, Timing, Etc.
- Multiple alarm modes: Invasion, Gas, Fire, Temperature, Emergency, Etc.
- Multilevel security protection
- Can set up security protection for 8 zones simultaneously
- Availability to check the alarm log
- Send commands to the GPRS SMS Controller or Dial-Out to send SMS messages or call to the emergency contact to ask for help or alarm's notifier in case of security problem
- Online upgrading is available

SB-DN-SEC250K



Multiplatform Compatibility.

At Crabtree we know that everyone has their preferred method of audio storage. That's why we've given HomePlay true multi-platform compatibility. With Bluetooth and WiFi connectivity, a LAN port, and a USB port HomePlay can directly connect to your audio library. Seamlessly controlled through the Crabtree On app, you can stream all of your favourite tracks to any room to create your ideal audioscape.



LAN



USB





Wi-Fi

Parameters

- Power Amplifier Rated output: 32 W+32 W (8 Ω(ohms),1 kHz, 0,7%)
- Speaker Impedance: 4-32 Ω
- Dynamic Range: >87dB
- S/N Ratio: >88 dB
- Stereo Separation: >81.5 dB (1 kHz)
- Frequency Response: 20 Hz to 20 kHz (±3 dB)
- Dimensions: (H×W×D) 144 mm (184 mm with antenna) ×112 mm×31 mm

Features

- Multi format support
- High fidelity audio streaming
- Simultaneous multi source multi room streaming
- Fully compatible with HDL room scenes and sequences
- Supports music playback via connecting external audio devices.

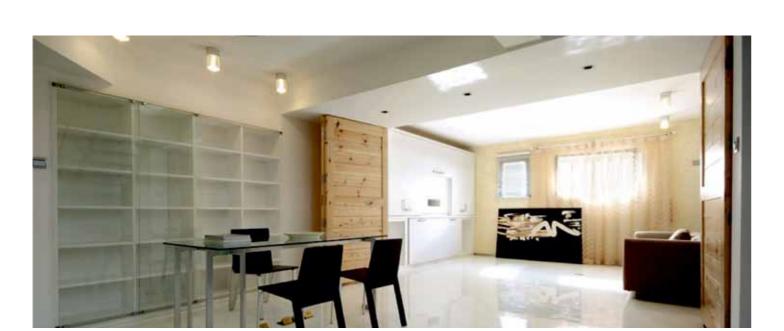


MSPU05.48



Parameters

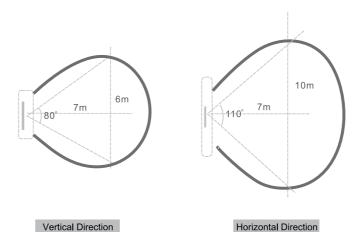
- Power supply: DC12-30 V
- BUS power consumption 40 mA/DC24 V
- Ultrasonic sensing range: 6 m (diameter)
- Static and dynamic sensing range: 6 m (diameter)
- Dimensions (86X86X31) mm
- Working with MPPI.48 panel
- Built-in temperature sensor, PIR sensor, LUX sensor, dry contact, ultrasonic sensor, universal switch, logic, total 8 logical conditions
- With 24 logic blocks function, can set 8 input conditions, each logic block can be set 20 targets output
- With 2 optional logical relations: OR AND
- PIR sensitivity can be adjusted, the sensitivity range is 1-100
- Ultrasonic sensor sensitivity can be adjusted, the sensitivity range is 1-100
- UV switch no. in Logical condition is assigned to 201-248, each logical has 2 UV switch no
- Each logical has time delay 1-3600 s
- Support Crabtree Buspro online upgrading





_///////// H=7M D=10M L=6M

Microwave Detection



Parameters

- Working voltage: DC12-30 V
- Power consumption: 31 mA/DC24 V
- Temperature detection range: -40°C~60°C
- Illumination detection range: 0~15000 lx (lux)
- Humidity detection range: 20~95 RH
- Microwave detection range: H:7 m D:10 m L:6 m
- Housing material: ABS: stainless steel
- Installation: Screw fixation
- Dimensions: (126X78X42) mm

- Built-in LUX sensor, microwave sensor, humidity sensor, temperature sensor, dry contact, universal switch
- Two logical relations: OR, AND
- It has 24 logic blocks. Both true logic and false logiccan trigger the targets respectively. Each logic can set 20 targets
- Adjustable microwave sensitivity, range is 1-100
- Each logic supports trigger delay time from 0 to 3600 s
- The range of universal switch number in logic is 201-248, each logic has 2 universal switch numbers, universal switch can close automatically, the time range is 1-3600 s
- Tamper-proof function.
- Supports security function
- Sensor has heating function. It can make sure that the circuits can work normally while the temperature is below -5°C
- Supports online upgrading



- Power supply: DC12-30 V
- Bus power consumption: 25 mA/DC24 V
- Temperature detection range: -20°C~36°C
- Illumination detection range: 0~500 lx (lux)
- Humidity detection range: 20-95
- Installation: Ceiling mount
- Dimension: 80 mm (diameter) x 32 mm

Functions

- Equipped with brightness sensor, temperature sensor, humidity sensor, two dry contact inputs, two universal switches, logic state etc which can be used as input conditions
- Two logic relations: Or, And
- With up to 24 logic block functions, max eight logic input conditions, up to 20 target outputs for logic conditions
- Security warning function, need to be used with the security module

SB-WMS-PIR



Parameters

- Power supply: 20 mA/DC24 V
- Bus power consumption: 15 mA/DC24 V
- Detection range: 8 m
- Detection angle: 110 degrees
- Detection distance adjustment: Software adjustable
- Installation: Wall mount
- Dimension: (106x60.2x60) mm

Functions

- Departure delay time from 0 to 36000 seconds
- · Master or slave mode
- · Security function, to be used with the security module

SB-CMS-12in1



Parameters

- Power supply: DC12-30 V
- Static power consumption: 40 mA/DC24 V (Relay off)
- Dynamic power consumption: 90 mA/DC24 V (Relay on)
- Signal output: Crabtree Buspro signal
- Temperature detection range: 0°C ~45°C
- Illumination detection range: 0-300 lx (lux)
- PIR sensing range in diameter 6m (install height-3 m)
- Ultrasonic sensor in diameter 8 m
- Installation: Ceiling mount
- Dimension: 110 mm (diameter) x 35 mm

Functions

- Equipped with a temperature sensor, brightness sensor, infrared motion sensor, ultrasonic sensor, two dry contact inputs, two external input conditions
- With infrared receiver function, can receive eight infrared remote control codes
- With infrared transmitter function, capable of sending 99 infrared remote control codes
- With four logic relations: OR, AND, NOR, NAND
- With up to 32 logic block functions, can be set nine input conditions, each logic block can be set 10 output targets
- 2 relay outputs
- Security function, to be used with the security module
- Support Crabtree Buspro online upgrading

SB-CMS-LA



Parameters

- Power supply: DC12-30 V
- Bus power consumption: 25 mA/DC24 V
- Signal interface: Crabtree Buspro signal
- Temperature detection range: 0°C ~45°C
- Illumination detection range: 0-300 lx (lux)
- Air quality detection: cigarettes, cooking odors, hydrogen, carbon monoxide, ethanol, methane, isobutane, alcohol:
- Installation: Ceiling mount
- Dimension: 80 mm (diameter) x32 mm

- Equipped with brightness sensor, air quality sensor, two dry contact inputs, two universal switches, logic state etc which can be used as input conditions
- Two logic relations: Or, And
- With up to 24 logic block functions, max seven logic input conditions, up to 20 target outputs for logic conditions
- Security function, to be used with the security module
- Support Crabtree Buspro online upgrading



- Power supply: DC18-30 V
- Bus power consumption: 30 mA/DC24 V
- Detection range in diameter: 8 m (Installation height: 3 m)
- Temperature detection range: 0°C ~45°C
- Illumination detection range: 0-500 lx (lux)
- Dimension: (63x63x38) mm
- Cutting Size: 45 mm (Diameter)



Parameters

- Power supply: DC18-30 V
- Bus power consumption: 20 mA/DC24 V
- Detection range in diameter: 10 m (Installation height: 3 m)
- Illumination detection range: 0-300 lx (lux)
- Dimension: (63×63×46.6) mm
- · Cutting Size: 45 mm (Diameter)



Parameters

- Power supply: DC18-30 V
- Bus power consumption: 25 mA/DC24 V
- Detection range in diameter: 8 m (Installation height: 3m)
- Temperature detection range: -20°C ~60°C
- Illumination detection range: 0-500 lx (lux)
- Dimension: 84 mm (diameter)× 37.5 mm



Parameters

- Power supply: DC12-30 V
- Bus power consumption: 30 mA/DC24 V
- IR transmit frequency
- Detection range in diameter: 8 m (Installation height: 3 m)
- Illumination detection range: 0-500 lx (lux)
- Dimension: 84 mm diameter ×37.5 mm

Functions

- Equipped with temperature sensor, brightness sensor, ultrasonic sensor and universal switch which can be used as logic conditions.
- 24 logic blocks, 20 output targets can be set in each logic block.
- · Two logic relations: Or, And
- Sensitivity adjustable, range from 1-10
- Universal switch numbers were assigned to 201-248 in the logic conditions, 2 switch numbers for each logic, universal switch has auto-off function(from 1 to 3600 seconds)
- Logic can trigger the control target no matter it's valid or not
- Security function, to be used with the security module
- Support Crabtree Buspro online upgrading

Functions

- Equipped with brightness sensor, PIR sensor and universal switch which can be used as logic conditions.
- 24 logic blocks, 20 output targets can be set in each logic block.
- Two logic relations: Or, And
- Sensitivity adjustable, range from 1-10
- Universal switch numbers were assigned to 201-248 in the logic conditions, 2 switch numbers for each logic, universal switch has auto-off function(from 1 to 3600 seconds)
- Logic can trigger the control target no matter it's valid or not
- · Security function, to be used with the security module
- Support Crabtree Buspro online upgrading

Functions

- Built-in infrared motion sensor, LUX sensor, dry contact, temperature sensor and universal switch control
- Seven logics for brightness sensor, temperature sensor, PIR sensor, two dry contact inputs and logical condition
- Two logic relations: OR, AND
- Adjustable infrared motion sensitivity, range from 1-10
- It has 24 logic blocks. The range of universal switch number in logic function is 201-248 each logic has 2 universal switch number. The universal switch has Auto-Off function, delay time is 1-3600 s
- Logic can trigger the control target no matter it's valid or not. Up to 10 logic block functions to trigger the control target
- Supports upgrade from Crabtree Buspro
- Constant illuminance function

Functions

- Built-in infrared motion sensor, LUX sensor, IR in/out, dry contact, temperature sensor and external conditions.
- Six logics for brightness sensor, temperature sensor, PIR sensor, two dry contact inputs.
- Two logic relations: OR, AND.
- Adjustable infrared motion sensitivity, range from 1-10.
- It has 20 logic blocks. The range of universal switch number in logic function is 201-240 each logic has 2 universal switch number. The universal switch has Auto-Off function, delay time is 1-3600 s.
- Logic can trigger the control target no matter it's valid or not. Up to 10 logic block functions to trigger the control target.
- Up to 240 IR sending control target, the universal switch number is 1-240. It can upload multiple IR code
- Supports upgrade from Crabtree Buspro
- Constant illuminance function

72 **Prabtree**

MRF16.4C



Parameters

- Power supply: DC12-30 V
- Frequency of carrier wave: 433.1580 MHz/433.92 MHz
- Bus Power Consumption: 56 mA/DC24 V
- Receiving distance 50 m
- Dimension: (63x63x52) mm
- Installation: Ceiling Mount

Functions

- Wireless function Connect to at most 4 wireless controllers with different addresses, and read the current remote address
- Key mode single on/off, single on, single off, combined on combined off
- Maximum 99 objects for each key, 2×8 control keys for each controller (except combine function)
- Control objects Scene, series, timer, general switch, single channel adjust
- Can set up to 8 different buttons programs
- Support Crabtree Buspro online upgrading



- Frequency of carrier wave: 433.92 MHz
- Dimension: (83 x83x15.4) mm

No battery switch, working with the receiver module for remote control

MTIRW



Parameters

- Battery: Lithium (3.7 V, 1050 mA)
- Working current: 45 mA
- Standby current: 1 mA
- Frequency of IR: 38 kHz
- Frequency of RF: 433.1580 MHz/433.92 MHz
- IR Sending Distance: 5 m
- RF Sending Distance: 50 m
- Dimension: (155×60×24.2) mm
- USB Interface: Software Upgrade, Charging

Features

- LCD display, menu-type operation, easy to use
- Built-in Li battery, can be recharged via USB
- Icon can be changed via PC-based tool software
- · Support IR and RF emitting, and IR learning.
- Support all Crabtree button panels
- Support multiple pages, can hide/display page
- Support English and Chinese language
- Support key tone

Crabtree-MBR06.431



Parameters

- Working voltage: DC 12-30 V
- Power consumption: 10 mA/24 V DC
- Ports: 6
- Devices for each port: 0-63
- Communication: Crabtree Buspro
- Housing material: Nylon, PC
- Installation: 35 mm Din rail installation
- Dimension: (72x90x66) mm

- Filter data
- Check the data
- Supports 6 bus cables, each bus cable can connect up to 63 devices
- Communication: Crabtree Buspro
- Supports online upgrading





Power Supply: AC220 V±20% 50 Hz

Rated power: 70 W

 Rated torque: 1.0 Nm • Rated speed: 112 r/min

• Line speed: 16 cm/s

Insulation class: E

IP class: IP41

Technical Specification

- Direct-powered by 220 V AC, Maximum pulling force 8 kg (one motor), maximum curtain weight 50 kg (one motor), 80 kg (2 Motors)
- Suitable for all small to medium-scale curtain applications, liner and arched, one-and two-side opening
- recommended maximum track length 12 m; refer to load curves below

Special parameters for MASTER

- Bus working voltage: DC15-24 V
- Bus power consumption 40 mA/DC 24 V
- Communication interface: Crabtree-Buspro
- Master interface: RJ11(6P6C)network port

Special parameters for SLAVE

- Bus working voltage: DC12 V
- BUS Power Consumption 33 mA/DC 12 V
- Power supply: Provide from master
- Slave interface: RJ11(6P6C)network port





MWM70B.12



Functions

- Overload protection and overhead protection
- Support forward, reverse, stop and percentage control
- 40 dB extremely silence working mode with built-in new generation
- precise planetary reducer
- Optional function of automation calibration when power on
- Supports manual mode when the power off
- Pulse coding for position control
- Supported Master and Slave mode
- Trigger manually the open and close of the curtain
- Integrated with multiple user interfaces, Crabtree panel, iLife on iPad, Touchlife on Android pad, Touchlife on 17.78 cm touch screen

Common Parameters

- Voltage range: AC220 V+20%
- Rated power: 70 W
- Rated torque: 1.0 Nm
- IP class: IP41
- Rated speed: 112 r/min
- Line speed: 16 cm/s
- Dimensions: (284×70×50) mm
- Insulation class: E

Functions

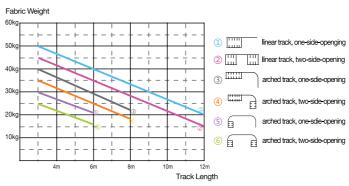
- Built-in new generation clutch, precise planetary reduce, noise level 40 dB
- Suitable for all small to medium-scale curtain applications, linear and arched, one-and two-side -opening
- The motor has three modes; they are forward, reverse, and stop
- the interval between activating and deactivating the curtain is less than 100 ms



This module serves as new motorized curtain controller, need to work with Crabtree Channel Curtain module (SB-DN-2Motor.)



Load curves(one-motor type)



Load curves(two-motor type)



76 **Crabtree Crabtree** 77

Hotel Doorbell

MPB03.48

Parameters

- Power supply DC12-30 V
- BUS power consumption 25 mA/DC24 V
- Installation Wall mounting
- Dimensions (86×86×22.2) mm

MPB03.48



Functions

- Visiting function, time setup
- Backlight brightness adjustable
- Do not disturb
- Support Crabtree Buspro upgrading
- Please clean

Keep improving

Laser engraving Highlight the metal chrome material Working state display









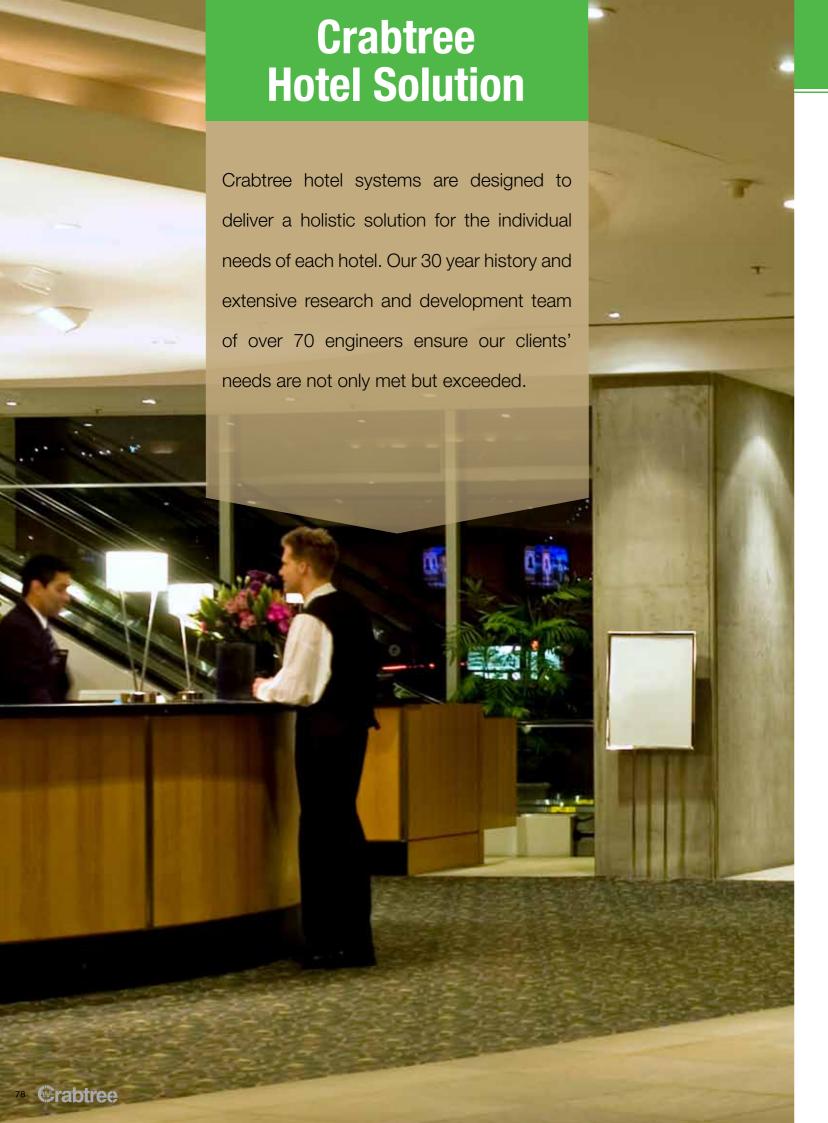
MPH101.48

MPH102.48

MPH104.48

MPH108.48





MPB01.48



Parameters

- Power supply DC12-30 V
- BUS power consumption 24 mA/DC24 V
- Installation Wall mounting
- Dimensions (86×86x22.2) mm

Functions

- PRIVACY status display;
- Visiting function;
- Support Crabtree Buspro online upgrading

MPC01.48



Parameters

- Power supply DC12-30 V
- BUS power consumption 24 mA/DC24 V
- Card type MIFARE ONE \$50 13.56 MHz
- Installation Wall mounting
- Dimensions (86×86×32) mm

Functions

- Insert key for power
- Identification, insert a different card, run the corresponding scene card types: Guest card, service card, cleaner card, maintainer card, administrator card etc
- Can be set mechanical switch when plug the card, the switch can be set 1 to 49 targets.
- Other key mode can be set 1 to 99 targets
- Support Crabtree Buspro online upgrading

MPAC01.48



Parameters

- Power supply DC12-30 V
- BUS power consumption 25 mA/DC24 V
- Installation Standard GI box
- Dimensions (86×86×22.2) mm

Functions

- · Control temperature, speed, mode, on/off
- Air conditioning mode: cooling, heating
- Speed: high, low, medium
- Display indoor temperature and air condition status etc
- Support Crabtree Buspro online upgrading

MHIC.48



Parameters

- Power supply DC12-30 V
- BUS power consumption 24 mA/DC24 V
- Card type MIFARE ONE S50 13.56 MHz
- Installation Standard GI and EU box
- Dimensions (86×86×20.5) mm

- Working with MPPI.48 panel power interface
- Insert key for power
- Identification, insert a different card, run the corresponding scene
- Card types: guest card, servicing card, cleaner card, maintainer card, administrator card etc
- Can be set mechanical switch when Plug the card, the switch can be set 1 to 49 targets. other key mode can be set 1 to 99 targets
- Support Crabtree Buspro online upgrading

SB-3S-Bell-XS



Parameters

- Power supply: DC15-30 V
- Bus Power consumption: 45 mA/DC24 V
- Dimension: (105x170x40) mm
- Installation: Back Box for Crabtree

Functions

- Show different Number of Room, DND, Clean Room, and Laundry
- Door Bell
- Open the Door by RF card & history record function
- Support Crabtree Buspro online upgrading

SB-3S-Bell



Parameters

- Power supply: DC15-30 V
- Bus Power consumption: 45 mA/DC24 V
- Dimension: (105x170x40) mm
- Installation: Back Box for Crabtree

Functions

- Show different Number of Room, DND, Clean Room, and Laundry
- Door Bell
- Support Crabtree Buspro online upgrading

MPHAC01.48



SB-MS-Black



• Power Socket/ Telephone Outlet/ Data Outlet/S-VIDEO / AUDIO /VGA USB /HDMI

MPH201BN.48



SB-MS-Black-S



 Power Socket/ Telephone Outlet/ Data Outlet/S-VIDEO / AUDIO /VGA USB /HDMI

MPH202BN.48



SB-MS-Black-S



 Power Socket/ Telephone Outlet/ Data Outlet/S-VIDEO / AUDIO /VGA USB /HDMI

MPHS05.48



SB-MS-White-S



 Power Socket/ Telephone Outlet/ Data Outlet/S-VIDEO / AUDIO /VGA USB /HDMI

MHIOU.432



- Power supply: DC15-30 V

Parameters

- BUS power consumption: 40 mA/DC24 V Dynamic power consumption: 90 mA/DC24 V
- Communication: Crabtree Buspro
- Buspro terminal: (0.75-0.85) mm diameter single-core cable
- Dimension: (144×90×56.3) mm

OUTPUTS:

- Channel 1 and 2 are dimming outputs, total current no more than 2 A
- Channel 3 to 10 are switch outputs, each channel 5 A
- Channel 11 and 12 are curtain switch control

INPUTS:

- 14-channel dry contact input
- 3-channel indoor doorbell control and 3-channel status indicator output
- 1-channel outdoor door bell control and 3-channel states indicator output
- 1-channel door bell switch control



MHRCU.433

Parameters

- Power supply: DC20-30 V
- Static power consumption: 60 mA/DC24 V
- Dynamic power consumption: 300 mA/DC24 V
- Signal interface: Crabtree Buspro, RJ45, INNER Buspro RJ45 interface: UDP/ IP network interface
- STRIAC:16 A TRIAC, minimum load is 30 W
- Buspro terminal: (0.75-0.85) mm single-core cable
- Dimension: (216×90×56) mm

Functions

- The host control functions:
- 48 Channel control
- Total 99 scenes, each scene's running time is (0-250) seconds
- · Can run the scene according to the status of card master
- Hotel host have RJ45 port for connectivity with another room and reception or manager center, with hotel manage software this module can integrate with third part property manager software

Mix control function:

- Channel NO.1~13 are Relay output ,each channel 5 A.
- Channel NO. 14-17, are relay output, each channel 10 A
- NO.18 21 channels for dimming ,each channel 1 A

Dry contract:

• 24 channels dry contract input

Door bell function:

- 5 channels state indicator output LED output function
- · 6 channels normal switch state indicator output





Parameters

- Power supply: DC12-30 V
- Bus Power Consumption: 40 mA/DC24 V
- Installation: Standard 35 mm Din Rail
- Dimension: (72 x 90 x 66) mm

- 48 Channel control
- Total 99 scenes, each scene's running time is (0-250) seconds
- Switch function: Crabtree-Buspro and Ethernet exchange
- Receive the doorbell for touch control signals, control the doorbell status display
- Can identify Insert card module status and set scene and target
- Control the various states of A/C and upload the statue to the monitor
- Control the various states of curtain and upload the statue to the monitor software
- Receive various of panel's control signal, deal with channel and module's control
- High Scalability: add corresponding control component on the master control module when need expand new functions. And the system can work perfect with any exist systems. Such as:BA system,the central control system and security systems. the master control module when need expand new functions. And the system can work perfect with any exist systems. Such as:BA system,the central control system and security systems.



MHIOU.432



Notes: To be used together with Hotel Room Control Host (SB-DN-48HNET)

Parameters

• Power supply: DC24 V

• BUS current: Dynamic current: 480 mA

Static current : 30 mA

 Current in each channel: 2 A • Dimension: (144x90x66) mm

• Installation: Standard 35 mm Din Rail

Functions:

• 24 channels relay output

MHRCU.433



Parameters

- Power supply: DC24 V
- BUS power consumption: 12 mA/DC24 V
- Dimension: (144x90x66) mm
- Installation: Standard 35 mm Din Rail

Functions

- 24 channels dry contact input
- Switch types include: Mechanical switches, Single-on, Single-Off, Single-On/Off, Combination on, Combination off, Combination On/Off, Invalid Switch, Both mechanical switches and combination switches can set 49 control targets
- Control target type: Scene, Sequence, Universal, Switch, Single Channel, Broadcast scene, Broadcast channel, curtain control, panel control, GPRS and so on.
- Security alerts feature need to be used together with Security Command Module

SB-DN-48HNET



Crabtree-MHD02R18U.232



Notes: To be used together with Hotel Room Control Host (SB-DN-48HNET) 6-13 channel fluorescent lamp or LED light load less than 100 W

Parameters

- Power supply: DC12-30 V
- Bus Power Consumption: 40 mA/DC24 V
- Installation: Standard 35 mm Din Rail
- Dimension: (72x90x66) mm

Parameters

- Power supply: DC24 V
- BUS current : Dynamic current : 350mm Static current : 30 mA
- Dimension: (144 x 90 x 66) mm
- Installation: Standard 35 mm Din Rail

Functions

- Channel No.10 and 11 are dimming outputs
- Max 12 areas, each area has 48 scenes
- Channel No. 1 to 8 are switch outputs, each channel 5 A.
- Channel No.12 is DC0-10 V control signal output for 0-10 V fluorescent and LED light control
- Channel No.9 is curtain switch control
- Support Crabtree Buspro online upgrading

- 1-3 channel, it control the low, medium and high levels for air -conditioning
- 4-5channel, it control the heating, refrigeration solenoidvalve for air-conditioning
- 6-13 channel, it control the lamps (Current less than 1 A)
- 14-15 channel, it control the lamps (Current less than 5 A)
- 16-18 channel control the lamps for silicon control (Current less than 2 A)
- 19-20 channel control the lamps for controllable silicon dimming (Current less than 2 A)
- Relay lifetime Up to 60000

Crabtree wireless Utilizing a wireless mesh IEEE 802.15.4 communication network, the HDL wireless pannel range can be installed anywhere in a building without needing a physical connection to the Buspro mainframe. Using frequencies of 768,868, and 900 MHZ, the connection can fulfill the long distance communication frequency standard applying in different countries; which ensures efficient and precise data transmission.

Wireless Intelligent Switches EU MPL8-RF.18

Parameters

- Power supply : DC5 V (from wireless power interface)
- Power consumption: 55 mA/DC5 V
- Wireless transmit power:+10 dBm
- Wireless receive sensitivity:-90 dBm
- Installation Wall mounting
- Dimensions (86×86×10.5) mm

Functions

- Built-in temperature sensor.
- Specified pad pages for AC, floor heating, music, etc.
- Multi key mode: Single on-off, Single on single off, combination on-off, Combination on, Combination off, Double click/single switch, Double click/combination switch, Momentary, Clock, Short/Longpress, Short
- Multi key control modess: Scene, Sequence, Timer switch, Universal switch single channel lighting control, Broadcast scene, Broadcast channel, curtain switch, GPRS control, Panel control, Security Module, Z-audio control
- Supports online upgrading.

Electronic Icons

The new Crabtree-MPL8-RF has an improved LCD screen that is capable to displaying multiple icons, which can then be customized via an extensive up datable icon library. Messages, Device status, and percentage information can all be displayed, enabling a user to find information effortlessly.

All in one

In a single Crabtree-MPL8-RF panel there are seven different pages dedicated to the control of common automation systems. The following systems are included, four pages dedicated to lighting, one page dedicated to HVAC, one page for floor heating, and one page for background music. Each page can hold multiple targets enabling the user to take complete control over all aspects of their automation solutions, with one unifying Crabtree-MPL8-RF

Customizable

The Crabtree-MPL8-RF panel is completely customizable, and has an extensive range of fascia colours, and materials available. this tailoring even extends to the LED button status indicators which have adjustable light intensity levels. The module can also be incorporated into a double panel installation, of can be flush mouned. These customization options allow a user to have their exact requirements not only met, but exceeded.



Control more than 3000 targets

147 Languages

Link to different pages

Easy Programming

MPL8-RF.18-A

The Crabtree-MPL8-RF is a wireless panel which is able to work in conjunction with the wireless power interface. Featuring an improved and customizable LCD display, the Crabtree-MPL8-RF enables users to find information effortlessly.



Air Conditioning

Floor Heating Background Music











- Power Supply: DC5 V (from wireless Power interface)
- Power Consumption: 45 mA/DC5 V
- Wireless transmit power: +10 dBm
- Wireless receive sensitivity: 90 dBm
- installation: Wall mounting
- Dimension: (86x86x10.5) mm

Functions

- Multi key mode: Single on, Single off, single on/ off, combination on, Combination off, Combination on/off, Double click/single switch, Double click/combination switch, Momentary, Clock, Short/Longpress, Short
- Multi key control Tyope: Scene, Sequence, Timer switch, Universal Switch, Single channel lighting control, Curtain switch, GPRS control, Panel control,
- · Adjustable backlight color and intensity
- Supports online upgrading

RGB LED backlight

RGB Each button is illuminated by and RGB LED back light which can change colour of intensity when used for different applications, based on the preference of the user. This customisable button back light ensured that the unit can blend ito any situation or environment.

The color, icons and pattern of the plate can be customised









Based on your personal favorites or your requirements



White Glass



Black Glass

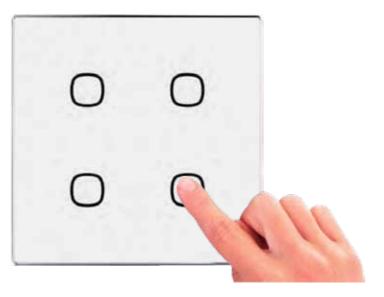


Pink Glass

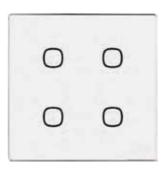




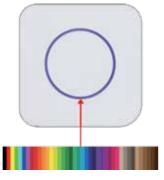
Orange Glass



MPT4-RF.18-A



Status without backlight color



All RGB color are selectable

Common Parameters

- Power Supply: DC16~30 V
- Static direct-current power: 0.7 W
- Dynamic direct-current power: 1.2 W
- Working voltage range: AC190~235 V
- Working current: 0.6 A
- Rated power: 140 W
- Rated torque: 10 N.m
- Rated speed: 17 r/min Terminal: Crabtree Buspro
- dB: 42 dB
- Insulation class: E
- IP class: IP41

Functions

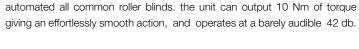
- Can control to open, close, stop and percentage control
- Communication: Crabtree Buspro
- AC motor is power source, provide enough power, it can make the torque of tubular motor big enough
- Overheat protection
- Supports online upgrading
- Supports easy programming

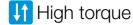












Using single phase AC motor the unit can effortlessly control blinds via its 10 Nm of torque. To provide user with ultimate in blind control, the unit has percentage control; stop, up and down control.

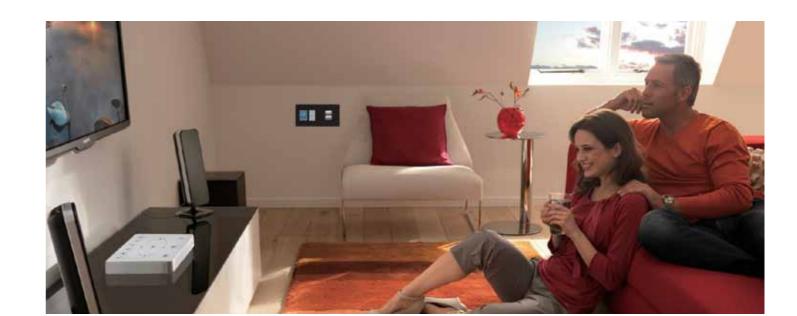


To increase reliablity and service life, the MVSM45B.12 utilize overheat protection. This safeguard not only the unit itself, but the system it is integrated into.











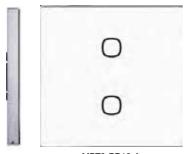
8 Buttons Switch EU MP8B-RF.18

Parameters

- Power supply: DC5 V (from wireless power interface)
- Wireless transmit power: +10 dBm
- Wireless receive sensitivity: -90 dBm
- Installation : Wall mounting
- Dimensions: EU: (86×86×10.5) mm US: (86×116×10.5) mm

Functions

- Multi Key Mode: Single on, Single off, Single on/off, Combination on, Combination off, Combination on/off, dblclick/single switch, dblclick/ Combination switch, Momentary, Short/Long Press, Short Press/Long Jog.
- Multi Key control Type: Scene, Sequence, Timer switch, Universal switch, Single channel lighting control, Curtain switch, GPRS control, Panel control, Broadcast control, Broadcast channel, Security module, Z-audio control
- Indicator intensity is adjustable
- Supports online upgrading



MPT2-RF.18-A



MPT4-RF.16-A



MPT6-RF.16-A





The Crabtree-MP04R-RF wireless panel has a scamless glass finish, and a backing plate specifically designed based on European standard. The module can control multiple targets via its distinguished buttons, which have a customizable RGB LED back light.

DIY customization

The Crabtree MP (2/4/6/8)-RF series offers users the ability to replace the button names or icons, by simply removing the plastic sleeve and placing one of their own designs under it. This enables rapid changes without the need for computers, engraving, or etching. As long as a user has access to a piece of paper, and a pen or pencil, the customization can be accomplished. coupled with this, a range of fascia are available, make the unit suitable for any environment of situation.





BEDROOM

The unit support wireless communication to control multiple targets 4wireless power interfaces can be controlled by single Crabtree MP (2/4/6/8)-RF Module.



The Crabtree MP ((2/4/6/8)-RF has a completely customizable fascia. A user is able to specify both the fascia colour and the material is to be made out of. This tailoring enables the module to fit semlessly into any room

Customize different plate and frame color



White glass 2 button switch



White glass 4 button switch



White glass 6 button switch

White glass 8 button switch

00

8.9

101

- Power supply: DC5/ V (from wireless power interface)
- Power consuption: 57 mA/DC5 V
- Wireless transmit power:+10 dBm
- Wireless receive sensitivity:-90 dBm
- Installation Wall mounting
- Dimensions (86×86×10.5) mm

Functions

- Key Mode: Single on/off, Single off Combination on, Combination Off, combination on off, Double click Single on/off, Double click combination on/off, Inching, short/long press, Short pres/long inching.
- Key Control Type: Scene, Sequence, Timer Switch, Universal Switch, Single channel lighting control, Broadcast scene, Broadcast channel Curtain Control, GPRS Control, Panel Control, Security Module, Z-audio Control
- Built-in temperature sensor.
- It has Key lock, mutually exclusive and key linkage.
- Customize button labels and plate can be replaced.
- Indicator intensity is adjustable.
- Supports online upgrading.



MP4B-RF.18



MP2B-RF.18



MP6B-RF.18

The wireless power interface supplies wireless panels with 5v DC. Dimming is possible through 2 TRIAC dimming channels, and 1 MOSFET trailing edge dimming channel. The module also has short circuit protection, and over-heat protection.

-III- Without neutral line

The Crabtree-MPW03.18 is specifically designed to supply power to wireless panels without neutral line. This is an optimised supply that is best suited to the panels, it enhances device stability, and enables peak panel performance.

Without neutral line

The Crabtree-MPW03.18 is specifically designed to supply power to wireless panels without neutral line. This is an optimised supply that is best suited to the panels, it enhances device stability, and enables peak panel performance.

Triple channels

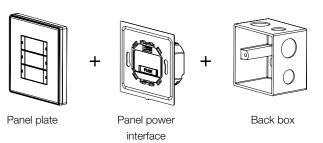
With 1 MOSFET dimming channel, and 2 Triac dimming channels, users are able to dimming, and switching, making them suitable for a wide range of applications.

Parameters

- Working power: AC85-270 V
- Frequency: 50/60 Hz
- Wireless transmit power:+10 dBm
- Wireless receive sensitivity:-90 dBm
- Output: 3 channels
- Output current: 1 A/CH, total current should not exceed 2 A
- Fuse: 4A aR type
- Terminal: Wago 236
- Dimension: (84*84*39) mm

- Supplies DC5 V power for wireless panels
- 1 CH MOSRET Dimmer Dimming/Switch
- 2 CH TRIAC Dimming / Switch
- Short circuit protection
- Over heating protection











- Working power: 12~30 V DC
- Communication: RJ45, Crabtree Busporo, Wireless
- Wireless transmit power:+10 dBm
- Wireless receive sensitivity:-90 dBm
- Communication distance indoor: 50 m (barrier free)
- Work mode: Mesh mode, bridge mode
- BUS Terminal: 0.75-0 85 mm Diameter Single Core
- Additional function: RF433 MHz receiving

As a wireless gateway module the MCIP-RF02.10 can support RJ45, Crabtree-Buspro, and RF, and create a meshed network using standard IEEE 802.15.4. The frequency can then be selected from between 768, 868, and 900 MHz. the module is also able to create the FR scope. Via the on board buttons RR parameter setting is enabled.

Wireless Central Frequency

- Wireless Central Frequency
- (China WPAN: 780 MHz-786 MHz
- (Europe) SRD: 864 MHz-870 MHz
- (North America) ISM: 904 MHz-928 MHz

Triple communication interfaces

With 1 MOSFET dimming channel, and 2 Triac dimming channels, users are able to dimming, and switching, making them suitable for a wide range of applications.



MCIP-RF02.10



RJ45





Crabtree- BUS

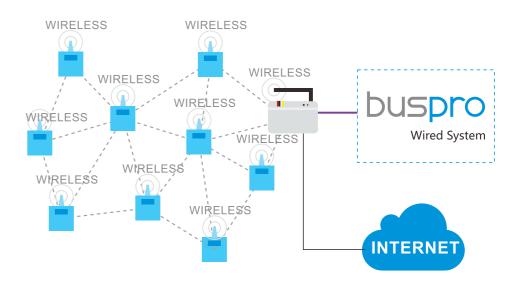


Dual Working Modes

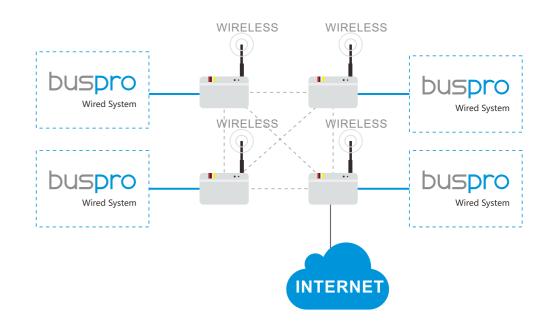
With two working modes the gateway is suitable for any automation solution. the first mode is the mesh network mode; this mode enables all the wireless devices active on the network to connect to each other. The mesh also supports wired system integration through the RJ45 and Crabtree Buspro ports.

The second mode is bridge mode; the function of this mode is to act as a transmission bridge. This enables multiple gateways and their associated wired devices wired devices to communicated with each other wirelessly. The scope of the system can be further extended via RF.

Mesh Network working mode



Bridge working mode





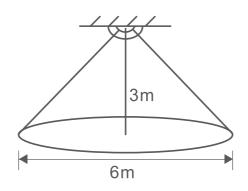
- Working power: AC220 V
- Detection range: 6m (Installation height: 3m)
- Communication: Wireless
- Installation: Ceiling mount
- Dimension: (Ø95*37) mm

Functions

- Built-in Temperature sensor, PIR sensor, LUX sensor, Ultrasonic sensor, as well as universal switch, Dry contact and logic control totally 8 logic
- with 24 logic blocks, each logic block have 8 input and 20 output commands; Each logic block has two universal switch inputs, can totally set 48 universal switches
- Variety Control includes scene switch, sequence switch, universal switch, signal channel adjust, audio, curtain, GPRS panel control, background music control, etc
- Two logic relationship: AND
- Adjustable infrared sensitivity range: 1-100
- Adjustable ultrasonic sensitivity, sensitivity range: 1-100
- Security function, to be used with the security module.
- · Supports wireless online upgrading.



MSPU05-RF.1C



Detection range



The MBUS/GW-RF.40 is a wireless converter enabling Buspro wired devices to be incorporated in to a Buspro wireless network.

Parameters

• Input voltage: 85~260 V AC, 50/60 Hz

Power consumption: 1.15 W

• Output: 24 V DC 100 mA

• Wireless transmission power: +10 dBm

• Wireless sensitivity: -90 dBm

• Indoor communication distance : <=30 m (barrier free)

• RSSI received signal strength indication: >-80 dBm

• Dimensions: (48.2x43.6x21.3) mm

• Weight: 38 g



MIR01R-RF.10 Wireless IR Emitter, adopt Crabtree wireless communication way, download IR codes are saved in database or that learning by IR leaner via Crabtree Buspro programming software, sach as to control the IR equipments such as AC, TV, Fan and so on.

Parameters

• Working power : 5 V DC (From USB)

• Working current : 20 mA Net weight : 125 g

IRemissioncarrierfrequency: 38 kHz

• IRControldistance(channel1): 5 m

• Indoorcommunicationdistance:<=30 m(Barrierfree)

• RSSIReceivedSignalStrengthIndication:>-80 dBm

• Dimensions: (120x37) mm • Net weight: 125 g







- Voltage range: AC220 V+20% 50 Hz
- Slave interface: 6P network interface
- Rated power: 70 W
- Rated torque: 1.0 Nm
- Rated speed: 112 r/min
- Line speed: 16 cm/s
- Communication wireless
- Insulation class: E
- IP class: IP41

Special parameters for MASTER

- Power supply: AC220 V
- Communication: Wireless
- Master interface: RJ11(6P6C) network port

Special parameters for SLAVE

- Bus working voltage: DC12 V
- BUS Power Consumption: 33 mA/DC 12 V
- Power supply: Provide from master
- Slave interface: Rj11 (6P6C) network port

Functions

- Over LOAD protection. The curtain will stop in case of external
- Supports the following control commands: Open, Close, Stop and Percentage
- Included additional pieces to adjust the curtains to the supports
- Easy programming for control panels and switches
- Supports manual mode when the power off Motor running mode: forward or reverse



The module is a wireless motorized curtain controller, which supports both master and slave modules. the unit utilizes standard IEEE 802.15.4 wireless communication protocols, with frequencies of 768, 868, and 900 MHZ. The new generation clutch and planetary reducer gears, enable the controller to operate at a barely audible 40 dB.

- Pulse coding for position control
- Over HEAT protection. In case of high temperature, the motor will switch off temporarily
- The position of the curtain can be measured and displayed in user interfaces
- Optional function of automatic calibration when power on
- Trigger manually the Open and Close of the curtain
- Solid and robust structure with modern style
- Supported Master and Slave mode Extremely silence working mode



- Direct-powered by 220 V AC, Maximum pulling force 8 kg (one motor), maximum curtain weight 50 kg (one motor), 80 kg (2 motors).
- Built-in new generation clutch, precise planetary reducer, noise level 40 dB.
- Percentage control enabled.
- Drag and run enabled, can be disabled.
- Integrated with multiple user interfaces, Crabtree panel, iLife on iPad, Touchlife on Android pad, Touchlife on 17.78 cm touch screen.
- Suitable for all small to medium-scale curtain applications, linear and arched, one- and two-side opening.
- Recommended maximum track length 12 m; refer to load curves below









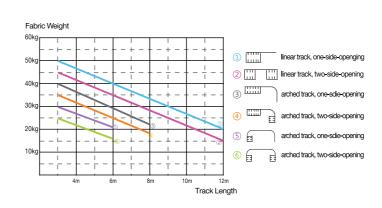


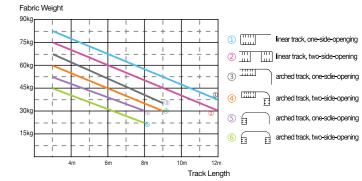


Load curves(one-motor type)

Load curves(two-motor type)







100 **Prabtree**









MPS04-RF.18

- Input voltage: AC85-265 V
- Output current: 16 A (COS=0.4)
- Power consumption:Max. 0.41 W
- Wireless transmit power:+10 dBm
- Wireless receiving sensitivity:-90 dBm
- Communication distance indoor:<=30 m (barrier free)
- Installation: Wall box
- Dimensions: (44x36x17) mm

Parameters

- Input Voltage: AC85-265 V
- Output current: 8 A (COSØ=0.4)
- Power consumption: 0.45 W max.
- Wireless transmit power: +10 dBm
- Wireless receiving sensitivity: -90 dBm
- Communication distance indoor: <=30 m (barrier free)
- Installation: Wall box
- Dimensions: (44x36x17) mm

Parameters

- Input Voltage: AC85-265 V
- Output current: 1.5 A
- Power consumption: Max. 0.58 W
- Wireless transmit power:+10 dBm
- Wireless receiving sensitivity:-90 dBm
- Communication distance indoor:<=30 m (barrier free)
- Installation: Wall box
- Dimensions: (44x36x20.2) mm

Parameters

- Input Voltage: AC85-265 V
- Power consumption:Max. 0.44 W
- Wireless transmit power:+10 dBm
- Wireless receiving sensitivity:-90 dBm
- Communication distance indoor:<=30 m (barrier free)
- Installation: Wall box
- Dimensions: (44x36x17) mm





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