VELBUS®

makes life easy

HOME AUTOMATION

MADE IN BELGIUM

New technologies are part of our lives, tomorrow even more than today!

Home automation is not an exception. The innovations of recent years have now become virtually indispensable. You will soon notice this once VELBUS has been installed in your home.

The possibilities of VELBUS home automation are almost endless. You can trigger multiple functions with one tap on the button. You can program the buttons according to your wishes. Use your smartphone, tablet or computer to control your home lighting, heating, cooling, blinds and sunscreens from wherever you want.

The future home is now within your reach. Use VELBUS to equip your home with the latest developments in terms of comfort, energy savings and ease. For VELBUS is endlessly expandable, now and in the future.

VELBUS home automation: not a luxury but a way of life.

2016—version 1

VELBUS®

makes life easy

5 years warranty

About VELBUS

VELBUS is a modular system

VELBUS is modular

Every VELBUS module has its own processor and memory. With VELBUS, you do not need to install an expensive central unit. The absence of a central unit omits any possibility of the entire installation being paralysed if the central unit does not work.

As the VELBUS system does not require any master controller, you will only pay the modules you really need. If you want to automate additional shutters, lighting points, dimmers etc. you need to buy only the modules you really need. New modules will always be compatible with the existing range.

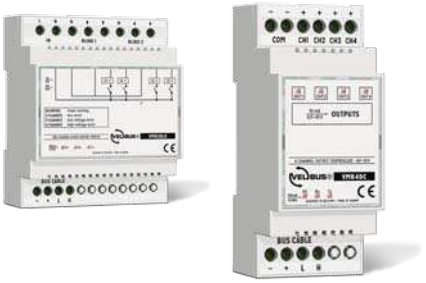
VELBUS is a bus system

This means that you will only need a four-wire bus cables to connect the modules: two wires for power, two wires for data. The bus system is based on the extremely stable and reliable CAN bus used in the automotive sector.

VELBUS basics

The most basic set-up has two modules: an input module and an output module.

An input module uses short messages to send its status to the bus. An output module interprets these messages and executes actions relating to these messages.



output modules

Output modules interpret these instructions and in turn control lighting, heating, air conditioning, electrical outlets, roller shutters etc.

input modules

Input modules translate the information coming from outside (for example push-buttons, switches, sensors etc.) to bus instructions.

quality and reliability

autonomy

VELBUS is a modular system in which one faulty module will never paralyse the entire installation.

Each module is fully independent as it features its own processor. Every VELBUS module scans the bus continuously and executes the instruction whenever necessary.

The bus is based on the CAN type which is used in the automotive sector. This bus is very stable and, if you decrease the speed on the bus cable, you will be able to transfer data over very long distances.

The bus only works with pulses. As the bus is operated by pulses, the bus cable presents almost no signal during dimming or activation of the *all off* function. Unlike other systems, multiple instructions (*on/off, dimming, mood lighting...*) can be executed simultaneously, LED feedback is very quick, no energy is wasted, etc.

freedom

You can add configuration modules anywhere on the bus cable (storeroom, study) and connect your PC to change the configuration.

No one will notice any of this, as the VELBUS system will continue working while changes are being made. The bus cable can be wired in a loop structure so you won't even notice any interruptions. Bus voltage is allowed to vary between 12 V and 18 V.

development

All modules and the software are being developed by Velleman in Gavere, Belgium. In-house development allows Velleman to quickly meet market demands and offer high-quality products.

Velleman has over 45 year of experience in development and production.

VELBUS compared to other systems

People often associate home automation with expensive systems, but nothing could be further from the truth. The price difference between a VELBUS and a traditional installation is minimal and even negligible when comparing the advantages.

flexible system

As all controlling modules and lighting points act independently, the system allows every connection. The system allows configuring *all off* or *all on* from multiple locations. You can also create moods (combining various lighting points), define time functions, etc.

There are so many reasons why you may need to change your setup at a given time. Shortly after you have moved in, you will need to make some changes without having to open your walls. The configuration software is free of charge, the settings can always be read and are continuously adjustable (without interrupting the system).

Even if you later decide to add a dimmer in the living room, you will only need to add the appropriate dimmer module. As VELBUS is being continuously developed, you will only need to add a module to expand your system. Even if you later decide to add a dimmer in the living room, you will only need to add the appropriate dimmer module. Your home will be ready for the future.

tailor made system

The VELBUS system provides feedback without any additional module or development. You can couple feedback any way you want: a push-button in the living room can provide feedback for the light in the nursery...

If configured well, the VELBUS automation system will also save energy. Think of the light in the hallway that automatically turns off, the light on the drive that you will no longer forget (thanks to the feedback LED), the *all off* function that turns off hidden consumers, the heater you will remember to turn off...

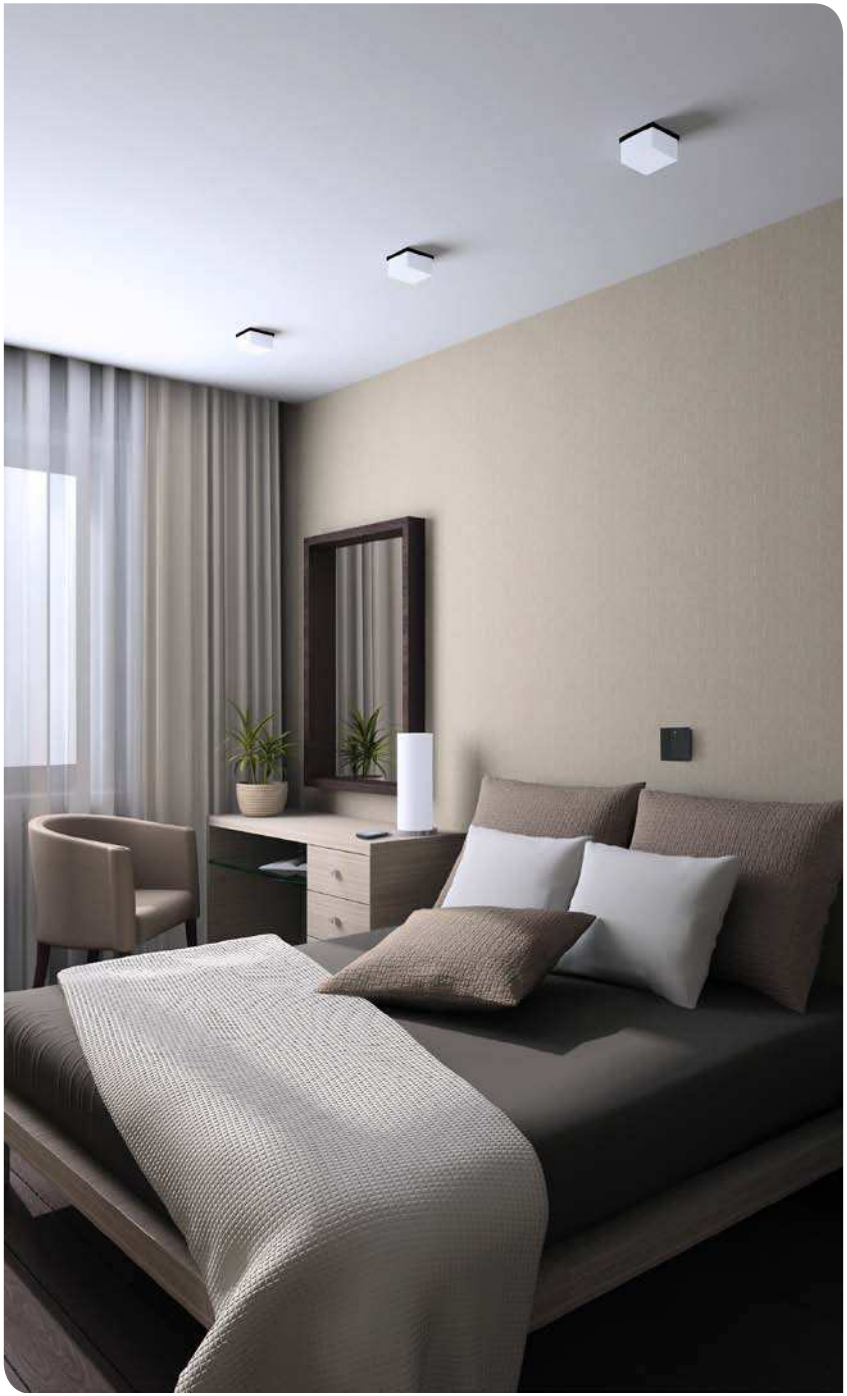
Everyone can use the benefits of an automated home in his or her own way because of the many options and links (alarm, iPod, iPad, iPhone, smartphones...). The added value your home or investment property gets from a home automation system is a nice extra.

Discover VELBUS

The VELBUS product range is constantly evolving. Below are a few possible setups, but eventually, the system matching your needs will be done by an installer.

examples

- you can change the function of any button with the VELBUS configuration software
- a single press on the button will turn all the lights *on* or *off* and *open* or *close the blinds*
- short press the button in the master bedroom to switch *everything off*, long press to switch *everything on*
- set the heater in the bathroom to *comfort mode* via the remote control or a push-button
- have the light turn on smoothly in the bedroom in a span of 30 minutes
- connect access control devices (for example a badge reader)
- control RGB lighting to create lounge effects
- check the status of your home with your iPod, smartphone, internet... and intervene if necessary
- combine the *everything off* function with your heating system and one or more power sockets
- dim or turn off some lights to create a certain mood
- have the motion detection switch on the lights in the hallway in the evening and dimmed during the night
- start motion detection together with the *everything off* function
- have the system send a text message when it detects a movement when the alarm system is armed
- have the system send an e-mail when it's freezing outside, when a window is still open...
- and so on



A day off

9:00

*You've pushed your alarm clock but stayed in bed until 9 a.m. so the heating is on **night mode** in every room of the house. It is a normal weekday but no worries, a button next to the bed allows setting the heating to **comfort mode**. Depending on the time you will stay at home, you can even set a timer by long pressing the button.*

9:03

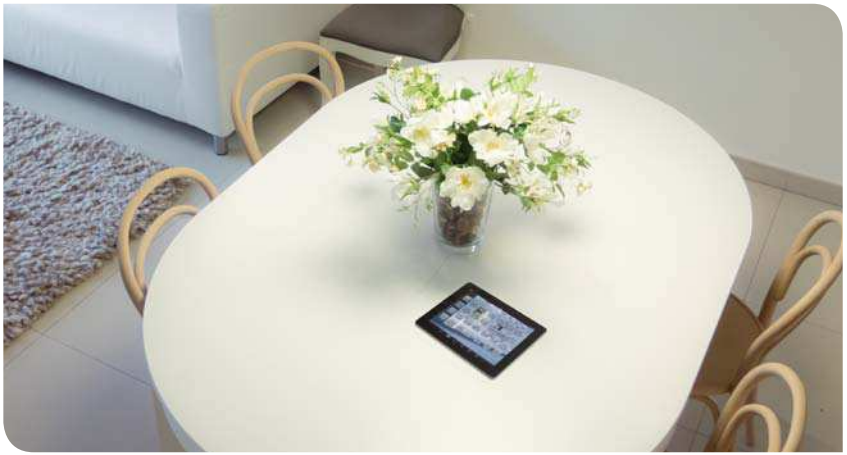
A second button next to the bed controls the roller shutters. The other shutters are already opened because they are linked to the sunrise time.

9:20

When you get out of bed, a notification on your control module OLED display reminds you to put out the garbage bags today.

11:00

After a shower and breakfast it is time to do some clean up. A simple tap on the stylish control will delight you, as the display shows the energy returned from your solar panels. You decide to let the dog out and use your smartphone to play some music before getting started.



12:00

You hear the dog barking and take the tablet to check the camera in your backyard. It's just a cat. You let the dog in as you go to lunch with some friends. At the door, you will press ***all off****: even the heater falls back to* ***night mode****.*

17:00

Lunch has turned into an afternoon of chat and when you come home, the kids are already home from school. The heating was set to ***comfort mode*** *from 16h, which means the study rooms are also pleasantly warm. With your smartphone you had previously turned off the TV because you want your children to finish their homework.*

19:00

The family has had a cosy dinner and the shutters went down at dusk. You just tap the glass touch to activate the ***comfort mood****: the light in the room is dim, the lamp in the sitting area provides a warm glow and the heating switches a degree higher.*

22:00

The children are asleep but a push-button in the living room shows that they have forgotten to turn off the light. You are using your smartphone to turn it off yourself.

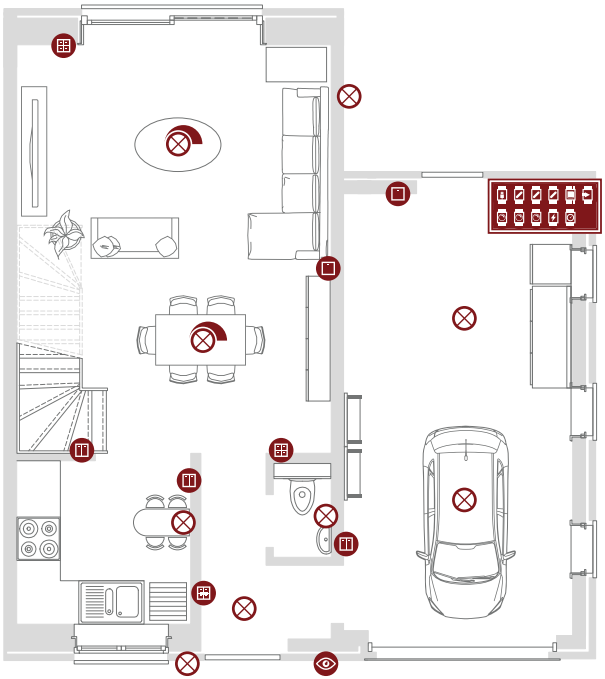
23:00

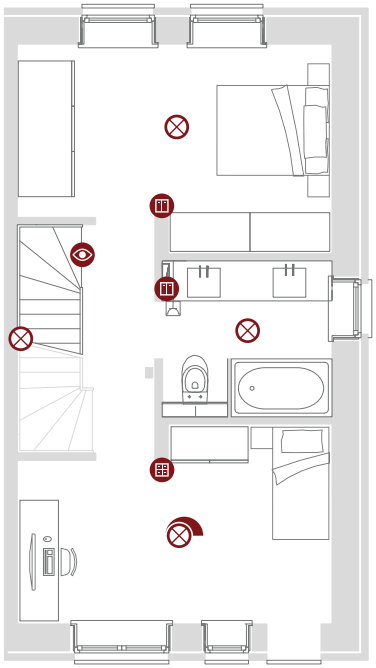
You go to bed and after brushing, just tap the button in the bathroom. This turns everything off downstairs while the light in the hallway remains on for a moment. The light in your bedroom switches on smoothly. You are ready for a good night's sleep.

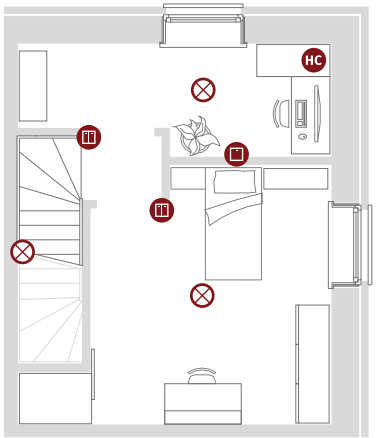
HOME

INSTALLATION EXAMPLE

The following example shows you a possible configuration of VELBUS® modules with glass touch panel finishing in an average home.







- your home is equipped with 13 glass panels with feedback all around the house
- your system includes one glass control module with OLED display
- you can control all items in your home automation system from your smartphone or tablet (for example an iPad - wireless network required)
- a VELBUS motion, twilight and temperature sensor is installed at the front door
- the lights in the staircase are being triggered with a VELBUS presence sensor

VELBUS modules used in the example

- × 3 glass control modules with 1 touch key
- × 7 glass control modules with 2 touch keys
- × 3 glass control modules with 4 touch keys
- × 1 glass control module with OLED display
- × 1 ceiling motion and twilight sensor
- × 1 outdoor motion, twilight and temperature sensor
- × 1 Home Center interface module
- × 1 configuration module with USB and RS-232 interface
- × 3 four-channel relay modules
- × 1 two-channel blind control module
- × 1 input module
- × 3 dimmer modules
- × 1 switching power supply module
- × 1 kilowatt hour counter

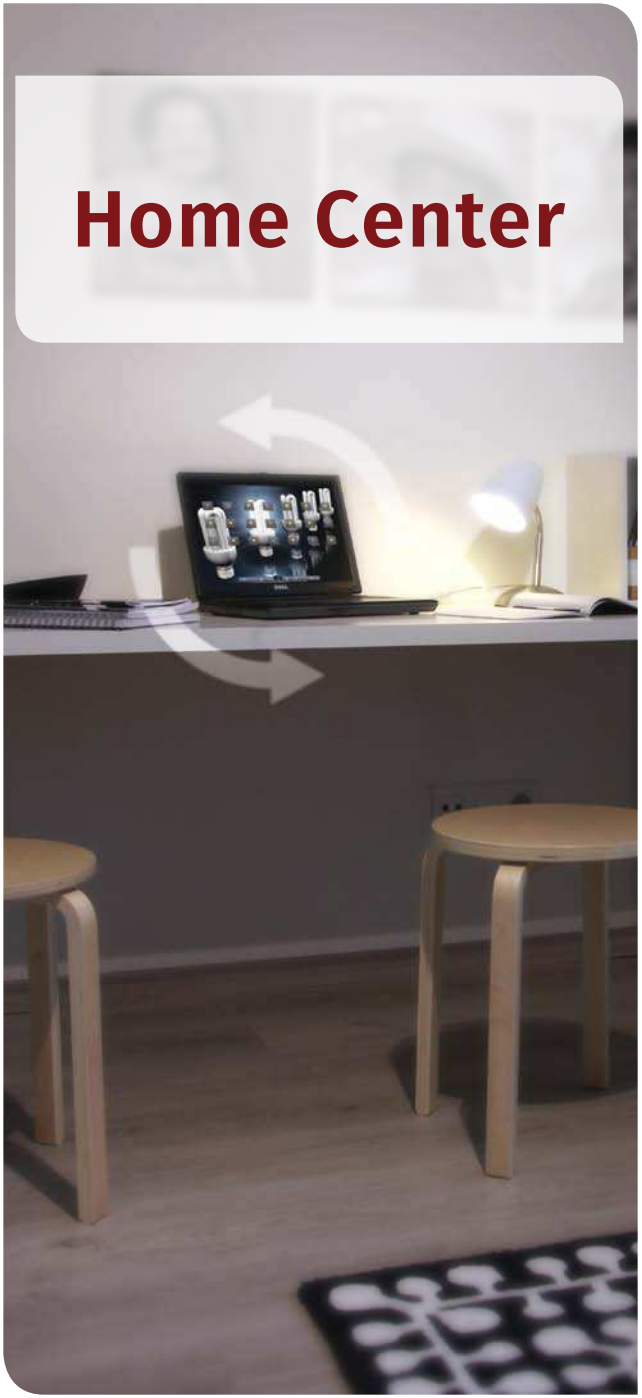
expandable for

- SONOS® music audio setup
- future VELBUS modules
- planned tablet/smartphone upgrades
- links with IR controlled devices

features

- the glass control module with OLED display can contain up to 8 pages with 4 functions each
- the system can be reprogrammed at any moment (even without having to restarting the system)
- use the OLED screen to monitor and manage the temperature in every room of the house
- the system can display your energy consumption on your mobile device or on the OLED display (requires VELBUS kilowatt hour counter)
- the system can display the indoor and outdoor temperature on your mobile device or on the OLED display
- every module has a daily, monthly and yearly schedule with astronomical clock
- each light point can be configured in 40 different ways: *on/off, delayed off, staircase lighting, blinking, double timers*, etc...
- a single button can be used for two functions (for example a short press switches *everything off* and a long press switches *everything on*.
- you can activate or deactivate programs and program steps from wherever you are
- you can use all buttons for any function: controlling lighting, locking other buttons, activate or deactivate program steps...
- date and time are always correct thanks to an internet clock
- all settings are remembered in case of a power failure
- you can control the blinds manually or set them to react to sunrise or sunset, alarm signals, temperatures...
- all glass touch panels have a built-in temperature sensor that you can use to operate anything
- you can set the light in your bedroom to wake you up gradually
- you can activate any mood in every room and from the OLED display
- you can use the LEDs on the buttons to display the status of inputs and outputs (lights, alarms...) and for night lighting
- you can set different access levels for the smartphone or tablet app depending on the user For example, you can let the children control their own rooms only.
- if the system detects movement in the evening, it will illuminate the driveway; at night, it will send a text message
- and so on

Home Center



control your home
wherever you are

Home Center is a software interface for your home automation system. The Home Center software (developed bij Stijnen Solutions) allows to control your VELBUS installation with a smartphone, tablet or PC.

Why Home Center?

- centralised control and overview of your VELBUS setup
- access with tablet, smartphone, iPad, iPod Touch, iPhone and web browser
- through a local network or from any location with an internet connection[1]
- multiple secured logins with different access levels (for example, the children can only control their own room)
- view the status of lighting, blinds, heating and change their settings if necessary
- real time display of changes and controls
- adapt the layout to your own needs
- add extra functions to VELBUS:
- send e-mails and text messages
- connect a SONOS® audio setup
- using devices with IR control (with GlobalCaché®)
- display notifications on an OLED display
- editor for advanced logical functions

more information and demonstration video

WWW.HOMECENTER.BE

[1] static IP address or DynDNS required

Home Center interface server

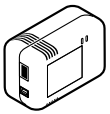
The VMBHIS is the ultimate hardware solution for the use of Stijnen Solutions Home Center.

A ready-to-use solution to operate your VELBUS® installation via your iPhone, iPad, iPod touch, Windows or web browser. Moreover, it's an ecological solution, as this server module only uses 5 W in full operation mode.

Connect the module with the included cables. Home Center will be ready to use within minutes.

features

- USB 2.0 interface
- Gigabit Ethernet interface (LAN)
- LED indicators for power supply and activity
- 1.2 GHz CPU
- plug and play



VMBHIS

included

- 1.5 m ethernet cable
- USB cable
- power cable & mains connector
- full software license
- 1 year of free online updates

a solution for everybody...

When installing the VMBHIS, it will automatically scan your VELBUS setup. It will create a standard layout on which you will be able to see and control all push-buttons, thermostats, dimmers, blinds etc. Without you having to do anything.

Just click or tap the touch panel to operate each part.

Personalise the layout with the background you want. Select pictures of the various rooms or a floor-plan of your home and arrange all functions on the plan. The possibilities are almost endless.

example

- all functions of a room: kitchen, living room, multimedia room...
- all thermostats: the display shows all temperatures in all areas and you can change them if necessary
- all dimmers: the display shows all lights that are on and you can control them
- all sensors: where did the system detect motion
- or any other combination you want

support

- Windows, Mac, Android... with web browsers: Safari, Chrome & Firefox
- Application for iPad, iPhone and iPod touch

Made for iPod iPhone iPad

Available on the App Store

other possibilities

use your table as a control panel

using a special support for surface or recessed mounting

extended possibilities for OLED displays

Displaying SONOS® information or custom messages on the glass control panels with OLED display

SONOS® SUPPORT

Home Center features SONOS basic functionality such as play/pause, previous/next...

SONOS
THE WIRELESS HiFi SYSTEM

WWW.SONOS.COM

e-mail & text messages

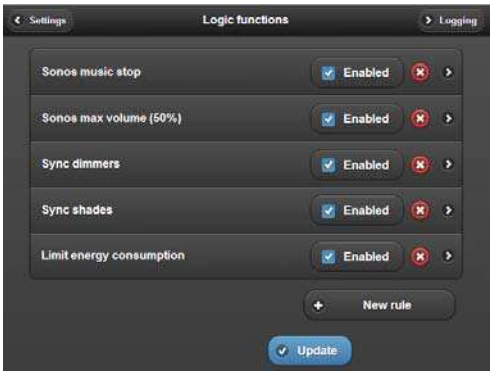
You can use any trigger you want to have the system send an e-mail or text message. You can set the system to send you a text message if it detects movement while you're away. Or you can receive an e-mail or text message when the solar panels have generated a multiple of 1 kWh.

logical unit

Create your own logical functions.

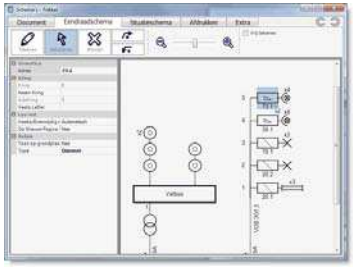
You can define the conditions to be met by the VELBUS channels and what actions Home Center should take.

Example: When switching everything off, the SONOS® music setup will also switch off.



Trikker import

Trikker is a drawing tool that allows to quickly create wired diagrams of your electrical installation. Trikker diagrams can be imported directly in Home Center.



WWW.BLUEBITS.BE

overview

Do you like to keep an overview?

You can set the floor plan of your home as a background image, and use it to arrange all buttons, light points and other functions.

Integration of Global Caché

Use your VELBUS installation to control any IR device you want.

Global Caché

WWW.GLOBALCACHE.COM

internet clock

If you are using the **VMBHIS** interface module, date and time of your VELBUS modules will synchronize automatically.

products

1. glass control modules with built-in temperature control
2. input modules
3. motion and twilight sensors
4. configuration modules
5. power supply module
6. relay modules
7. blinder modules
8. dimmer modules
9. wireless operation
10. controls with BTicino® finish
11. connectors

1 glass control modules

with built-in temperature control

The product range has five different controls per colour: with one, two or four touch keys - or a multipage control with OLED display. The sleek design with white or black finishing fits every interior. All products are touch sensitive and have LED guide lights. These controls are compatible with the VELBUS home automation system and have standard dimensions to be built in anywhere.

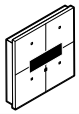
general features

- safety glass with smart touch technology and integrated temperature sensor and thermostat
- the touch keys can execute any function
- the modules can detect short and long touches, reaction time can be customised
- the keys are equipped with audible feedback sound and white LED feedback, which can also be set as night lights
- extensive time switch modes
- day, week and year program with astronomical clock to simulate sunrise and sunset
- four synchronisable alarm times

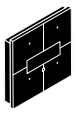
all glass touch panels can be mounted using frame **VMBGPFS**

glass control modules
with OLED display and temperature controller

- up to 8 pages with 4 functions each
- the OLED display is entirely customisable
- fully functional thermostat function
- programmes are easy to activated and deactivated
- display and control of maximum 13 temperature sensors (12 + the module's sensor)



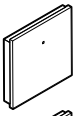
VMBGPODW



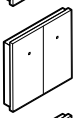
VMBGPODB

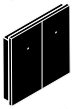
additional features
- IR receiver for Logitech® Harmony
- display of energy consumption with VELBUS kilowatt hour counters
- display of notifications through **VMBHIS**
- timer page
- can be used as a thermostat for your entire home

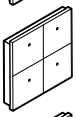
glass control modules with 1, 2 or 4 touch keys


VMBGP1W


VMBGP1B


VMBGP2W


VMBGP2B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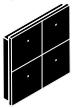
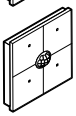
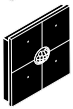
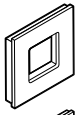

VMBGP4B

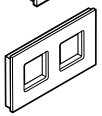

VMBGP4PIRW

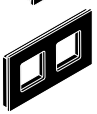

VMBGP4PIRB

glass covers for BTicino® LivingLight


VMBGP1SW

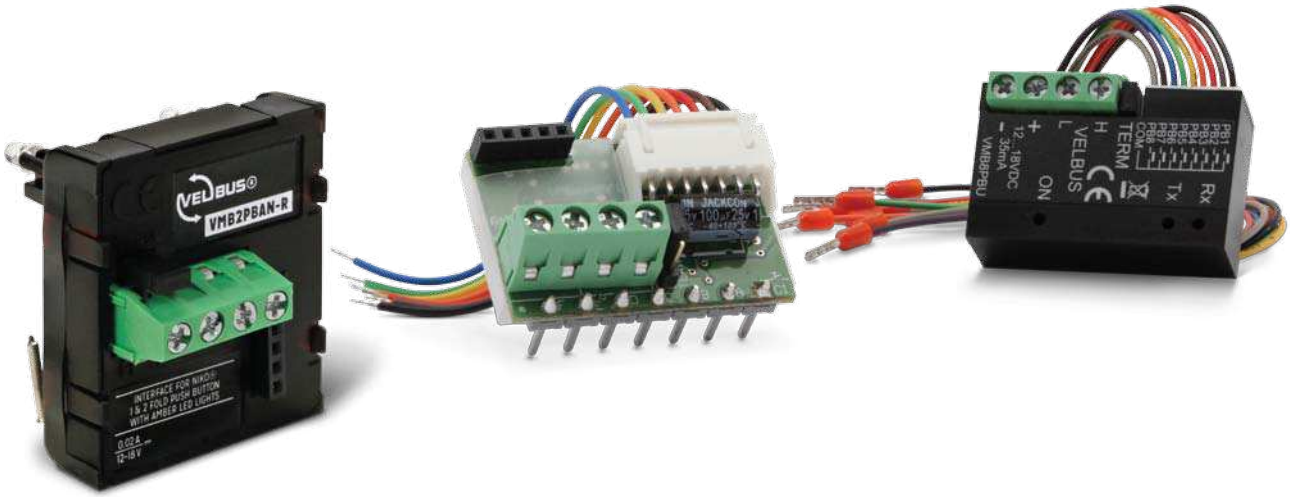

VMBGP1SB


VMBGP2SW


VMBGP2SB

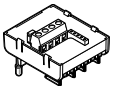
2 input modules

Push-buttons of any brand can be connected to your VELBUS installation via these push-button interface modules. These modules support automatic control with day, week or year schedules and include an astronomical clock for sunrise and sunset. They provide a whole range of other functions, like customisable night indicators and lock function.



interface for Niko® 4- or 6-fold push-button

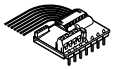
- mounts directly on the push-buttons
- 2 feedback LEDs are pre-installed
- with blue or orange feedback LEDs



with blue feedback LEDs
VMB2PBN-R
with amber feedback LEDs
VMB2PBAN-R

interface for Niko® 4- or 6-fold push-button

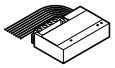
- mounts directly on the push-buttons
- the system will also control any Niko® feedback LEDs if available



VMB6PBN

interface with 8 channels for universal mount

- connect up to eight push-buttons of any brand
- feedback LEDs are sold separately
- leads cannot be extended[2]



VMB8PBU

accessories for **VMB8PBU**

SETS WITH FEEDBACK LEDS FOR NIKO® PUSH-BUTTONS

VMBLDN	5 blue feedback LEDs
VMBLDAN	5 amber feedback LEDs

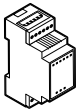
SETS WITH FEEDBACK LEDS FOR BTICINO® PUSH-BUTTONS

VMBLDB	5 blue feedback LEDs
VMBLDAB	5 amber feedback LEDs

[2] use the **VMB7IN** input module for longer connection cables
[3] compatible with LivingLight switches from BTicino® (non-axial)

7-channel input module for DIN-rail

- connect up to 7 contacts (supports long distances)
- connect 4 inputs to the pulsed output of an kWh meter
- you can also connect water and gas meters

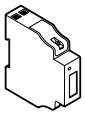


VMB7IN

kilowatt hour counters for connection to VMB7IN

single phase kilowatt hour counter for DIN-rail mounting

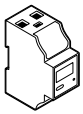
- voltage: 230 V
- current: 5 (40) A
- pulse output: 1000 p/kWh
- connects to **VMB7IN**



VMBKWH14

single phase kilowatt hour counter for DIN-rail mounting

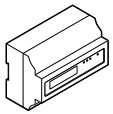
- voltage: 230 V
- current: 5 (80) A
- pulse output: 1000 p/kWh
- connects to **VMB7IN**



VMBKWH18

three-phase kilowatt hour counter for DIN-rail mounting

- voltage: 3 × 230 / 380 V
- current: 10 (100) A
- pulse output: 800 p/kWh
- connects to **VMB7IN**



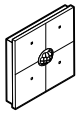
VMBKWH310

3 motion and twilight sensors

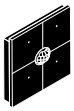
These VELBUS sensors are so much more than normal motion sensors. They provide motion as well as twilight detection. The built-in astronomical clock allows time dependent control. The module simultaneously detects movement for a movement sensor and light dependent movement for lighting control.

glass control modules with 4 touch keys and built-in motion and twilight sensor

- motion and twilight detection
- all other features of the glass control module with 4 touch keys apply [4]



VMBGP4PIRW



VMBGP4PIRB

outdoor motion, twilight and temperature sensors • Theben®

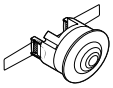
- motion, twilight and temperature detection
- light sensitivity and timeout are customisable
- temperature sensor with output channels for high and low alarms
- the sensor head can be oriented horizontally and vertically

VMBPIROW

VMBPIROB

motion and twilight sensor for ceiling mount

- motion and twilight detection
- light sensitivity and timeout are customisable



VMBPIRC

mini motion and twilight sensor for recessed or surface mounting

- same features as **VMBPIRC**
- suitable for recessed mounting (diameter 16 mm) and surface mounting (housing included)
- white and black lenses included

VMBPIRM

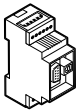
[4] except for double and multi button functions

4 configuration modules

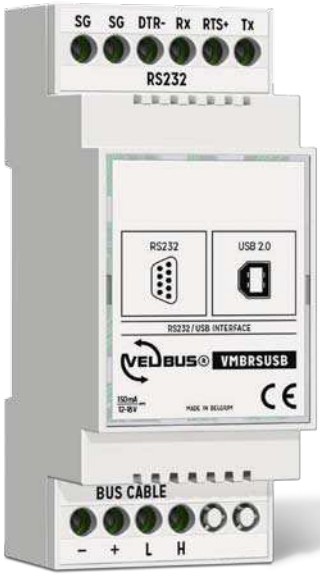
You can use the configuration modules to configure and program the VELBUS system with your computer. USB port for easy connection, RS-232 port for long connections or for creating your own applications. You can download the communication protocol for all VELBUS modules for free.

configuration module with USB and RS-232 interface

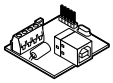
- 1 USB port
- 1 RS-232 port
- for DIN-rail mounting



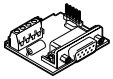
VMBRSUSB



also available



configuration module with USB interface for universal mounting
VMB1USB



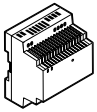
configuration module with serial RS-232 interface for universal mounting
VMB1RS

5 power supply module

For very large installations, we recommend providing a power supply in each cabinet.

switch mode power supply module

- very robust: average life expectancy > 20 years
- power: 60 W (4 A / 15 V)



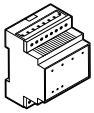
VMBSMPS

6 relay modules

The living room light, the garden fountain, the nursery power outlets, the electric gate: these are only a few items you want to control. One of the many options is switching everything on or off.

4-channel relay module with potential-free contacts for DIN-rail

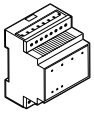
- can be operated on the module itself
- 40 modes: *on/off, delayed off, timers...*
- 4 potential-free contacts + 1 virtual relay
- max. current: : 4 × 16 A



VMB4RYNO

4-channel relay module with voltage outputs for DIN-rail

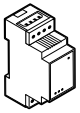
- can be operated on the module itself
- 40 modes: *on/off, delayed off, timers...*
- 4 voltage outputs (single pole interruption) + 1 virtual relay
- max. current: 16 A



VMB4RYLD

single channel relay module with potential-free contacts for DIN-rail

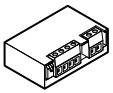
- 40 modes: *on/off, delayed off, timers...*
- 1 relay contact + 4 virtual relays
- max. current: 16 A



VMB1RYNO

mini single channel relay module with potential-free contact for universal mounting

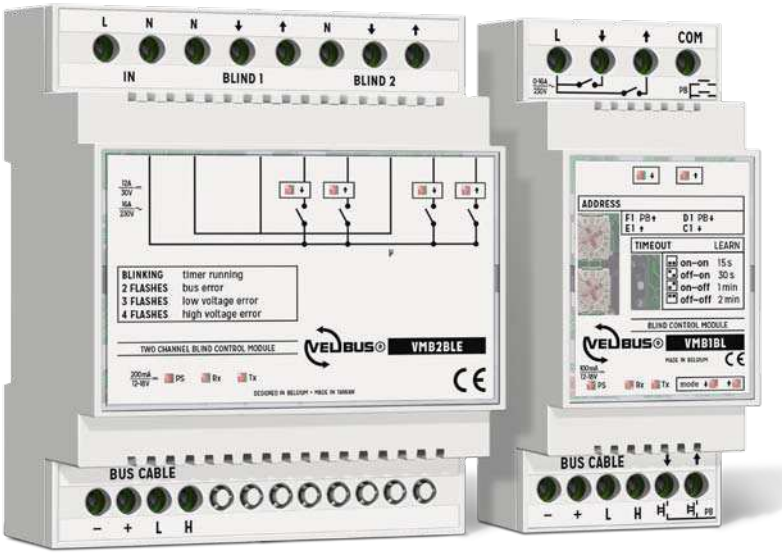
- 40 modes: *on/off, delayed off, timers...*
- 1 relay contact + 4 virtual relays
- 50 W at 230 VAC with resistive load
- 25 W at 230 VAC with capacitive/inductive load

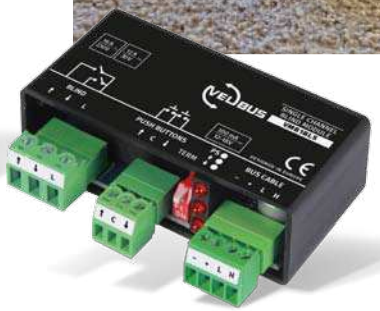


VMB1RYNOS

7 blinder modules

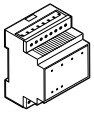
Let your roller shutters adapt to your lifestyle. Combine these with your lighting and always create the right mood.





two-channel blind control module for DIN-rail

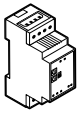
- the outputs are protected against overvoltage
- 105 modes: up, down, to position...
- built-in astronomical clock
- can be set to specific positions
- max. current: : 2 × 16 A



VMB2BLE

single channel blind control module for DIN-rail

- the outputs are protected against overvoltage
- up, down
- max. current: 16 A



VMB1BL

single channel blind control module for universal mounting

- small moulded version for use in roller blind housings
- 105 modes: up, down, to position...
- built-in astronomical clock
- can be set to specific positions
- can be used in stand-alone
- max. current: 16 A

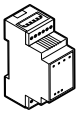
VMB1BLS

8 dimmer modules

Create the mood that suit you best, or let your lights go out slowly to avoid surprises. You can also simulate a sunrise to wake up gently.

four-channel 0/1–10 V dimmer

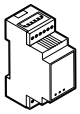
- 49 modes: on/off, dim on, dim off, activate dimmed mood, 1 button dimming, timers...
- each channel can be combined with our own **VMB2LEDDC** or with 0–10 V dimmers from other brands



VMB4DC

two-channel 0–10 V controlled PWM dimmer for LED strips

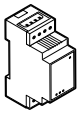
- short-circuit protection
- thermal cut-off
- frequency: 500 Hz
- max. 100 W per channel at 12 V
- max. 200 W per channel at 24 V



VMB2LEDDC

single channel TRIAC dimmer for resistive and inductive loads

- 50 modes: on/off, dim on, dim off, activate dimmed mood, 1 button dimming, timers...
- dims resistive and inductive loads (leading edge)
- 400 W



VMBDMI-R

9 wireless operation

You can use these RF modules to add wireless control to your VELBUS installation.

RF receiver

- connects to bus cable
- compatible with **VMBRF8TXS**

VMBRF8RXS

RF transmitter

- large range (up to tot 250 m)
- battery type CR2032
- compatible with **VMBRF8RXS**

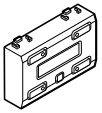
VMBRF2TXH

10 controls with BTicino® finish

Four push-buttons allow you to operate anything and check immediately if your instruction was executed. Check if you left the nursery lights on, switch everything off when you leave the house, select the right mood lighting, or switch it on automatically in the evening; these are only a few of the many possible applications.

4 button control with LCD display with 32 functions

- up to 32 channels on 8 pages
- year programs with astronomical clock
- readout of power consumption
- date and time backup
- compatible with BTicino® LivingLight products



VMBLCDWB

5 button control with LCD display with 8 functions

- max. 8 channels on 2 pages
- week program
- IR receiver for Logitech® Harmony
- compatible with BTicino® LivingLight products

VMB4PD

temperature controllers with LCD display

- week program
- you can link up to 32 **VMB1TS** or **VMB1TSW** temperature sensors
- sensors can be grouped by zones
- time backup
- compatible with BTicino® LivingLight products

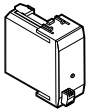
VMB1TCW

VMB1TC

a glass control module with OLED display combined with other glass control modules provides the same functions

temperature sensors

- can be operated on the module itself
- adjustable week program (requires **VMB1TC** or **VMB1TCW**)
- 4 modes
- select heating or cooling
- compatible with BTicino® LivingLight products



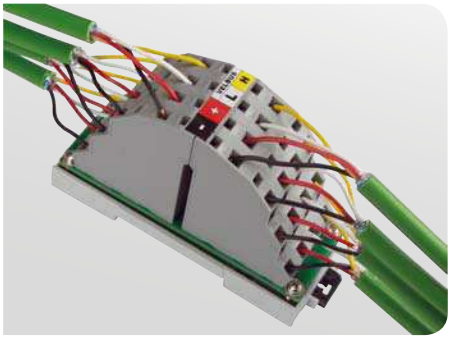
VMB1TSW

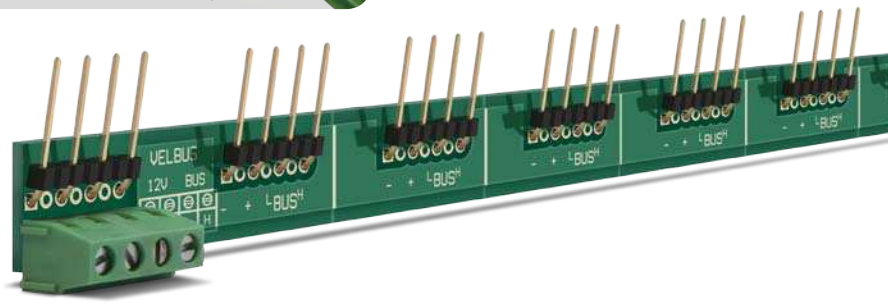
VMB1TS

control through BTicino® switches is possible if you add the push-button interface module **VMB8PBU**

11 connectors

The connector modules will save you time during installation and keep your electrical cabinet neat and tidy. They also allow easy disconnection.





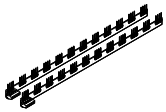
distribution terminal block for bus cables

- easily connect bus cables
- with spring contacts
- connection: up to 8 bus cables of 4 wires

VMBTB

interconnection rail for DIN-rail modules

- for up to 12 DIN rail modules
- length: 415 mm - can be shortened
- 1 connection for bus cable
- 2 pieces per package



VMBRAIL

product list

1 glass control modules with built-in temperature control

	glass control module with 1 touch key • white	VMBGP1W
	glass control module with 1 touch key • black	VMBGP1B
	glass control module with 2 touch keys • white	VMBGP2W
	glass control module with 2 touch keys • black	VMBGP2B
	glass control module with 4 touch keys • white	VMBGP4W
	glass control module with 4 touch keys • black	VMBGP4B
	glass control module with OLED display and temperature controller • white	VMBGPODW
	glass control module with OLED display and temperature controller • black	VMBGPODB
	glass cover for BTicino® LivingLight • white	VMBGP1SW
	glass cover plate for BTicino® LivingLight • black	VMBGP1SB
	double glass cover plate for BTicino® LivingLight • white	VMBGP2SW
	double glass cover plate for BTicino® LivingLight • black	VMBGP2SB
	5 supports for glass control modules • screw version	VMBGPFS

2 input modules

	interface for Niko® single or dual push-button • with blue feedback LEDs	VMB2PBN-R
	interface for Niko® single or dual push-button • with amber feedback LEDs	VMB2PBAN-R
	interface for Niko® 4- or 6-fold push-button	VMB6PBN
	interface with 8 channels for universal mount	VMB8PBU

	5 blue feedback LEDs for Niko® push-buttons • for use with **VMB8PBU**	VMBLDN
	5 amber feedback LEDs for Niko® push-buttons • for use with **VMB8PBU**	VMBLDAN
	5 blue feedback LEDs for BTicino® LivingLight push-buttons (non axial) • for use with **VMB8PBU**	VMBLDB
	5 amber feedback LEDs for BTicino® LivingLight push-buttons (non axial) • for use with **VMB8PBU**	VMBLDAB
	7-channel input module for DIN-rail	VMB7IN
	single phase kilowatt hour counter for DIN-rail mounting • 5 (40) A • for connection to **VMB7IN**	VMBKWH14
	single phase kilowatt hour counter for DIN-rail mounting • 5 (80) A • for connection to **VMB7IN**	VMBKWH18
	three-phase kilowatt hour counter for DIN-rail mounting • 10 (100) A • for connection to **VMB7IN**	VMBKWH310

3 motion and twilight sensors

	glass control module with 4 touch keys and built-in motion and twilight sensor • white	VMBGP4PIRW
	glass control module with 4 touch keys and built-in motion and twilight sensor • black	VMBGP4PIRB
	outdoor motion, twilight and temperature sensor • Theben® • white	VMBPIROW
	outdoor motion, twilight and temperature sensor • Theben® • black	VMBPIROB
	motion and twilight sensor for ceiling mount	VMBPIRC
	mini motion and twilight sensor for recessed or surface mounting	VMBPIRM

4 configuration modules

	configuration module with USB and RS-232 interface	VMBRSUSB
	configuration module with USB interface for universal mounting	VMB1USB
	configuration module with serial RS-232 interface for universal mounting	VMB1RS

5 power supply module

	switch mode power supply module	VMBSMPS

6 relay modules

	4-channel relay module with potential-free contacts for DIN-rail	VMB4RYNO
	4-channel relay module with voltage outputs for DIN-rail	VMB4RYLD
	single channel relay module with potential-free contacts for DIN-rail	VMB1RYNO
	mini single channel relay module with potential-free contact for universal mounting	VMB1RYNOS

7 blinder modules

	two-channel blind control module for DIN-rail	VMB2BLE
	single channel blind control module for DIN-rail	VMB1BL
	single channel blind control module for universal mounting	VMB1BLS

8 dimmer modules

	four-channel 0/1–10 V dimmer • 49 modes	VMB4DC
	two-channel 0–10 V controlled PWM dimmer for LED strips	VMB2LEDDC
	single channel TRIAC dimmer for resistive and inductive loads	VMBDMI-R

9 wireless operation

	RF receiver	VMBRF8RXS
	RF transmitter	VMBRF2TXH

10 controls with BTicino® finish

	4 button control with LCD display with 32 functions • white with blue feedback LEDs	VMBLCDWB
	5 button control with LCD display with 8 functions • black with red feedback LEDs	VMB4PD
	temperature controller with LCD display • white*	VMB1TCW
	temperature controller with LCD display • black*	VMB1TC
	temperature sensor • white*	VMB1TSW
	temperature sensor • black*	VMB1TS

* all glass control modules have a built-in temperature sensor; the glass control modules with OLED display also provide temperature control

11 connectors

	distribution terminal block for bus cables	VMBTB
	interconnection rail for DIN-rail modules	VMBRAIL

+ Home Center

	Home Center interface server	VMBHIS

coming soon...

	VELBUS weather station	VMBMETEO

references

Bostoen

Bostoen, Belgian market leader in passive houses, has standardised the Velbus home automation system. Velbus meets the needs for operating lights, roller shutters and heating systems.

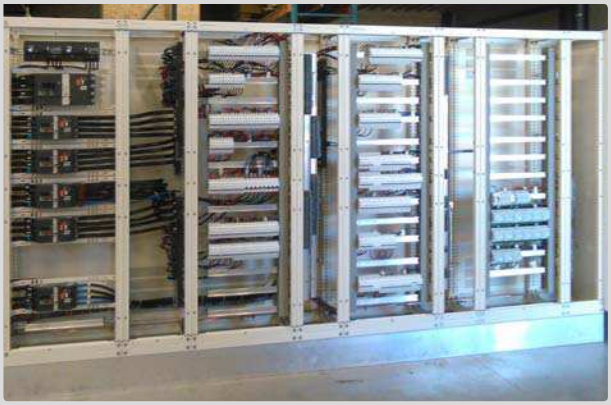
WWW.BOSTOEN.BE

Bezonia

Bezonia, a high end software integrator, has chosen VELBUS as a partner for its advanced projects.

WWW.BEZONIA.COM

industry



VELBUS installations are robust and can be extended easily. This means VELBUS is a good choice for industrial automation as well.

EXAMPLE DESIGNED BY SOBELCO TECHNICS BVBA

B&B Herenhuis

VELBUS provided all the automation needs in this beautifully renovated B&B, including access control using card readers.

WWW.BNBHERENHUIS.BE

Plopsaland

The famous Plopsaland De Panne amusement park is automated using our VELBUS modules.

WWW.PLOPSA.BE

villas in the South of France

several villas in the South of France are equipped with the VELBUS system. The deciding factor was the high reliability of Velbus.

cruise ships

Even cruise ships are equipped with our VELBUS system. As only the bus cable needs to pass the control panels, work is reduced to a minimum, and even the cabins can be monitored.

VELBUS
our team

MANAGEMENT

STRATEGY & DEVELOPMENT

MECHANICAL DESIGN

GRAPHIC DESIGN & DOCUMENTATION

PLANNING, PRODUCTION & SALES

LOGISTICS AND CUSTOMER SUPPORT

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