



Velleman Home Automation System



Finally! Here is no-nonsense home automation which is easy to install and to maintain, both for the qualified technician as for the DIY enthusiast. The system does not contain any (costly) central unit, which makes it extremely user-friendly, reliable and inexpensive. The VELBUS can be set up and controlled using the classic learning method as well as with a few clicks of the mouse through your computer. The necessary software is available for free.



THE VELBUS SYSTEM IN GENERAL:

Every module features LED indication for in/output, power and VELBUS status.
The VELBUS and the power supply are short-circuit protected.
Every module disposes over 200 addresses for identification in the system.

PUSH BUTTON MODULE

VMB8PB

- Can be used to interface up to 8 push buttons (any type) to the VELBUS.
- Push button debounce: 65 ms.
- Possibility for each push button to react when held for 1s, 2s or 3s.
- LED indication for each push button.
- 252 possible addresses.

PUSH BUTTON PANEL WITH LCD *

VMB8PD

- Push button module with display, allows push button labelling.
- Notification LED for each push button.
- Instant access to 2 groups of 4 push buttons.
- Allows editing of the push button label, set up of contrast, reaction time, backlight and address via the menu.

IR REMOTE CONTROL STICK *

VMB1RTS

- Control the VELBUS system through IR.
- 6 direct channels with LED selection (max. 15 selectable).
- Can easily be used in the dark.

IR RECEIVER MODULE *

VMB8IR

- Execute up to 8 different functions on the VELBUS.
- Reception indicator LED.
- Works with the VMB1RTS IR remote control stick.

PROGRAMMABLE THERMOSTAT/ TIMER MODULE*

VMB1TH

- Thermostat control unit with display, allowing control and programming of the heating or air conditioner in various rooms, together with a relay module.
- Several program settings.
- Backlit LCD displaying temperature settings and measurements in different rooms.
- Stand-alone operation or together with several temperature sensors (VMB1TS).
- Also features separate timer functions.

INTELLIGENT TEMPERATURE SENSOR *

VMB1TS

- Temperature sensor allowing, together with a relay module, to control the heating or air conditioner in a room.
- Configuration via the VMB1TH main thermostat or via PC.
- LED function indication.
- Local night/day selection.

SERIAL INTERFACE FOR PC**

VMB1RS

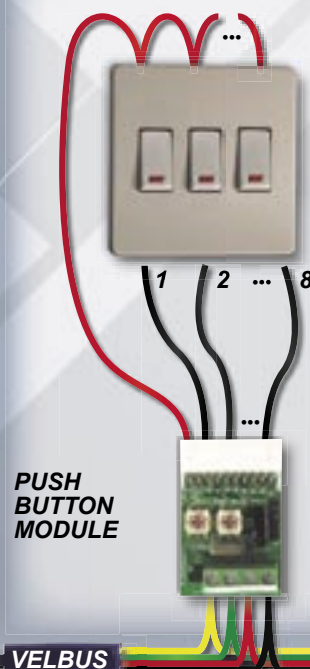
- Control of the VELBUS system through the computer.
- Full duplex RS-232C communication with PC.
- Galvanic separation between the computer and the VELBUS system.
- LED indications for: - power - data communication with the computer

USB INTERFACE MODULE FOR PC **

VMB1USB

- Specifications are identical to those of the VMB1RS (see above) except with USB connection.

ANY BRAND PUSH BUTTONS



PUSH BUT
PANEL WI

PUSH
BUTTON
MODULE

VELBUS

* UNDER DEVELOPMENT

** WITHOUT ENCLOSURE

A FEW ADVANTAGES OF THE VELBUS SYSTEM:

- The DIY enthusiast can now enjoy home automation thanks to its easy installation and competitive price.
- Little critical wiring: star / loop / bus wiring, etc.
- Easy learning function, PC is optional.
- User friendly system configuration and modification.
- The system does not contain any (costly) central unit, which makes it extremely reliable.
- **Simultaneous operation of several push buttons, unlike some competing systems.**

1-CHANNEL RELAY MODULE

VMB1RY

- 1 NO/NC relay contact: max. 5A / 230VAC.
- Modes: • moment control • on/off • start/stop timer • staircase timer • non-retriggerable timer • switch-off delay • switch-on delay • start timer by releasing push button • timer with blinking effect • 2-way timer.
- 16 possible settings: momentary • 5s • 10s • 15s • 30s • 1 min ... • 1 day • on/off.
- 9 possible settings for timer 2: 5 min • 10 min • 15 min • 30 min • 1h • 2h • 5h • 1 day • on/off.
- Standard DIN-rail housing: 2 modules.

4-CHANNEL RELAY MODULE

VMB4RY

- 4 NO relay contacts: 5A / 230VAC.
- Other specifications are identical to those of the VMB1RY (see above).
- Standard DIN-rail housing: 4 modules.

DIMMER MODULE

VMB1DM

- Fit for incandescent light bulbs, transformer-less halogen and low-voltage halogen in combination with a conventional transformer or a dimmable electronic transformer adapted for phase cut-off.
- Required mains voltage: 100-125V / 60Hz or 220-240V / 50Hz.
- Max. load: 300W @ 230V or 150W @ 115V.
- Dimming from 0 to 100% in ca 4 seconds.
- Modes: • moment control • start/stop timer • staircase lighting timer • dimmer • dimmer with memory function • multi-position dimmer • slow-on dimmer • slow-off dimmer • slow on-off dimmer.
- Possible time settings: momentary • 5s • 10s • 15s • 30s • 1 min • 2 min • 5h ... • 1 day • on/off.
- Standard DIN-rail housing: 2 modules.

BLIND CONTROL MODULE

VMB1BL

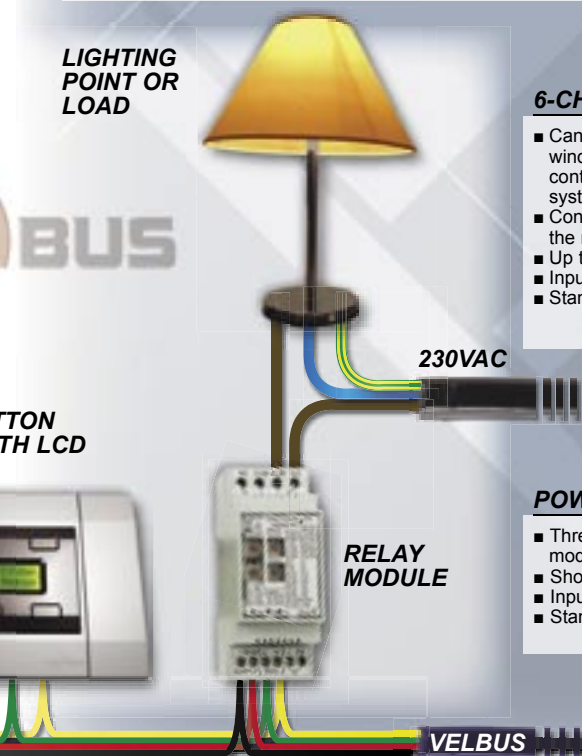
- Can be used to control an electric roll-down shutter, sunblind...
- Relay contacts: max. 5A / 230VAC.
- Safety time-out: 15s – 30s – 1 min – 2 min (selectable).
- Standard DIN-rail housing: 2 modules.

2-CHANNEL BLIND CONTROL MODULE

VMB2BL

- Can be used to control two electrically controlled roll-down shutters and sun blinds...
- Relay contacts: max. 5A / 230VAC.
- Safety time-out: 15s – 30s – 1 min – 2 min (selectable).
- Standard DIN-rail housing: 4 modules.

LIGHTING POINT OR LOAD



6-CHANNEL INPUT MODULE

VMB6IN

- Can be used to connect push buttons, door- or window contacts, movement detector relay contacts, open collector outputs... to the VELBUS system.
- Contacts may be placed at a long distance from the module.
- Up to 6 inputs.
- Input debounce: 65 ms.
- Standard DIN-rail housing: 2 modules.

POWER SUPPLY

VMB3PS

- Three 12VDC / 1A outputs for powering VELBUS modules.
- Short-circuit protected.
- Input voltage: 12VAC / 3A.
- Standard DIN-rail housing: 2 modules.



velleman®
MODULES

velleman®
projects

Velleman Home Automation System

Velleman® is a major distributor of electronic products and components and has its own R & D department. Velleman® is market leader in electronic kits with offices all over the world.



The Velleman building is powered by the Velbus Home Automation System.

Legen Heirweg 33 - 9890 Gavere, Belgium

+32 (0) 93 84 36 11

+32 (0) 93 84 67 02

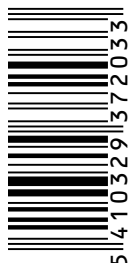


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