



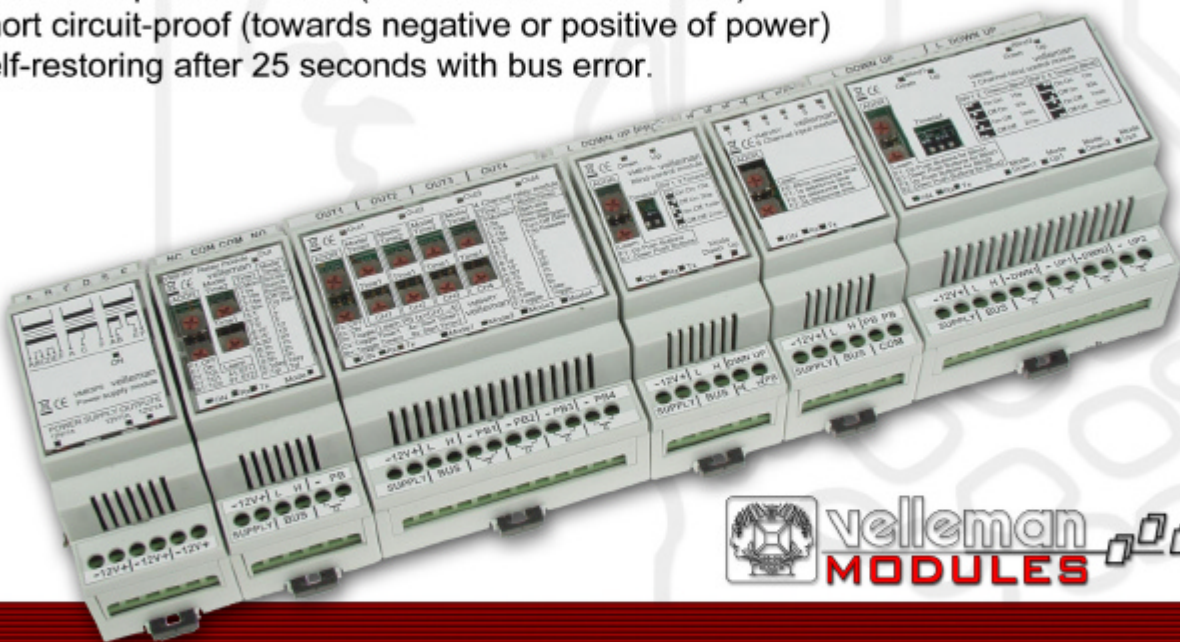
Flexibility combined with simple wiring are the key points of this system. One 4 wire low voltage loop cable connects all your input and output modules, resulting in a full two way control system. Each input module can handle up to 8 buttons, each button can control from 1 to more then 200 output modules! Simply put; you can teach 1 button to turn "off" or "on" all you appliances and lights. A LED indication in or next to the control push button gives feedback on the output status.

Some features:

- Learn function for each push button (manual learning)
- Possibility to Control / configure and monitor the system using PC connection
- Power fail safe
- Timer function on relay output modules (example; press push button twice to engage timer function)

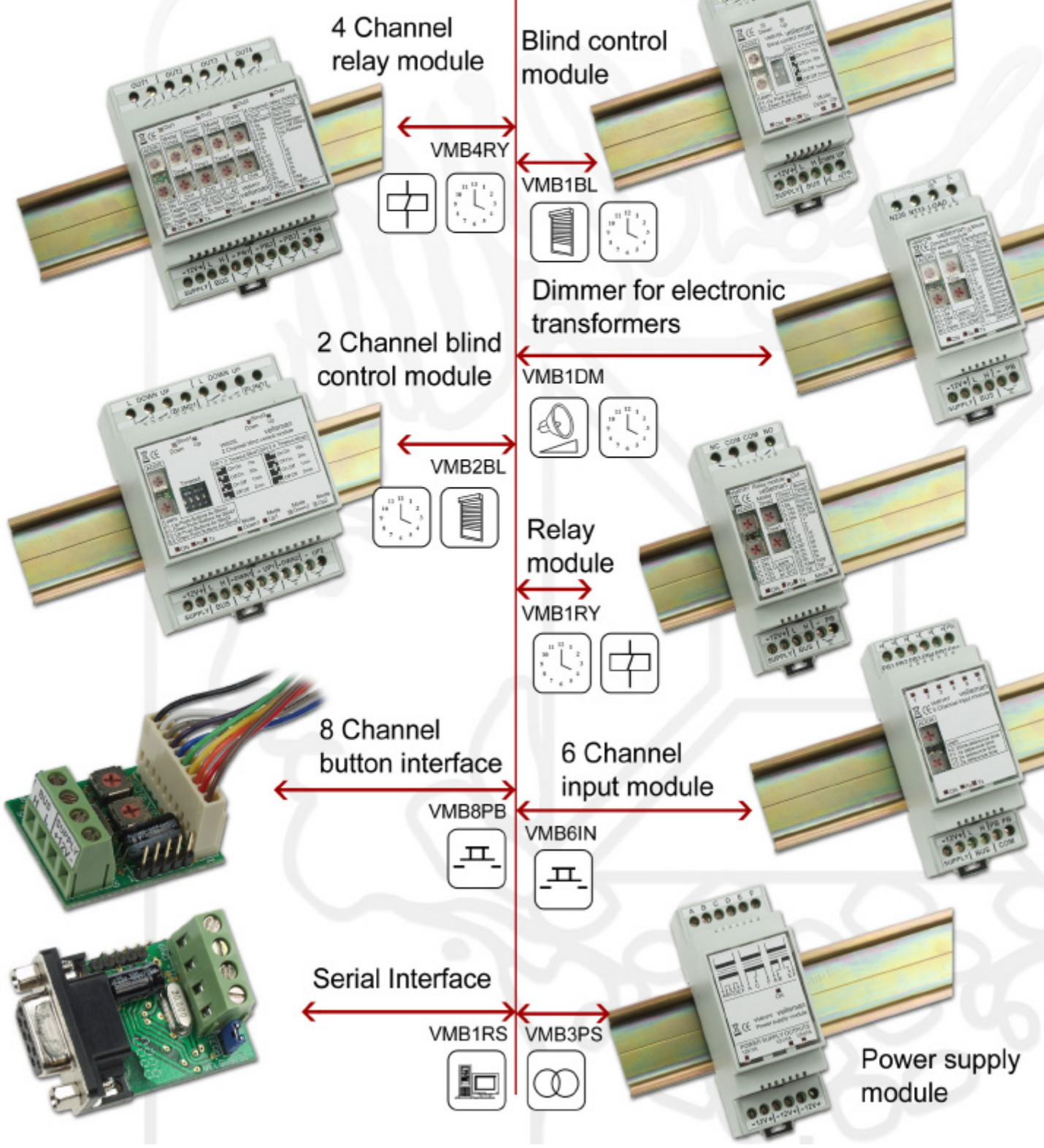
VELBUS:

- 2-wire communication for VELBUS data and 2 wires for power.
- Data transfer: 16,6Kbit/s.
- Serial data protocol: CAN (Controller Area Network)
- Short circuit-proof (towards negative or positive of power)
- Self-restoring after 25 seconds with bus error.





## VELBUS





## VMB8PB

8-channel push button module

Can be used to connect any type of push button on the VELBUS.

Up to 8 push buttons connectable.

Key debounce: 65ms.

Possibility for each push button to react only to long press

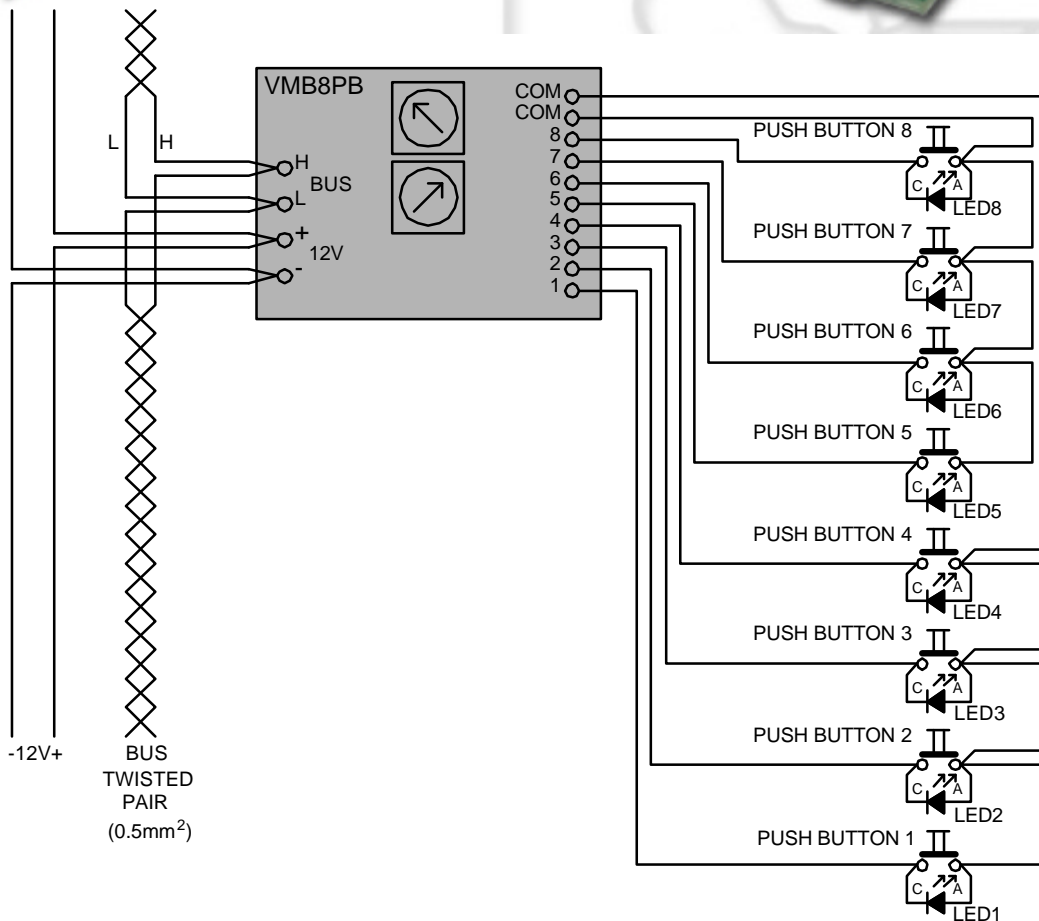
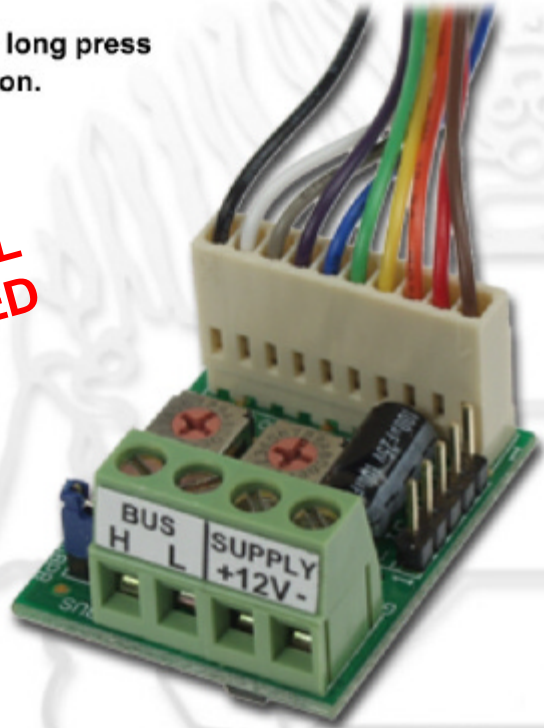
Connection possibility for a LED over push button.

LED indications per push button.

252 possible addresses

Dimensions (L x W x H): 36 x 29 x 21mm.

**WORKS ALSO IF SEVERAL  
BUTTONS ARE OPERATED  
SIMULTANEOUSLY !**





## VMB4RY

4-Channel relay module

4 Independent suppressed relay outputs: 5A/230Vac max.

8 Operation modes independently adjustable per channel:

- Moment control
- ON/OFF control
- Start/stop timer
- Staircase lighting
- Non restorable timer
- Cut-off delay
- Start of timer by releasing the push button
- 2-way timer (short push starts timer1/ long push starts timer2)

16 possible time settings (adjustable through hexadecimal rotary switch):

moment - 5/10/15/30sec - 1/2/5/10/15/30min - 1/2/5u - 1day - ON/OFF

10 possible time settings for timer2:

1/2/5/10/15/30min - 1/2/5u - 1day - ON/OFF

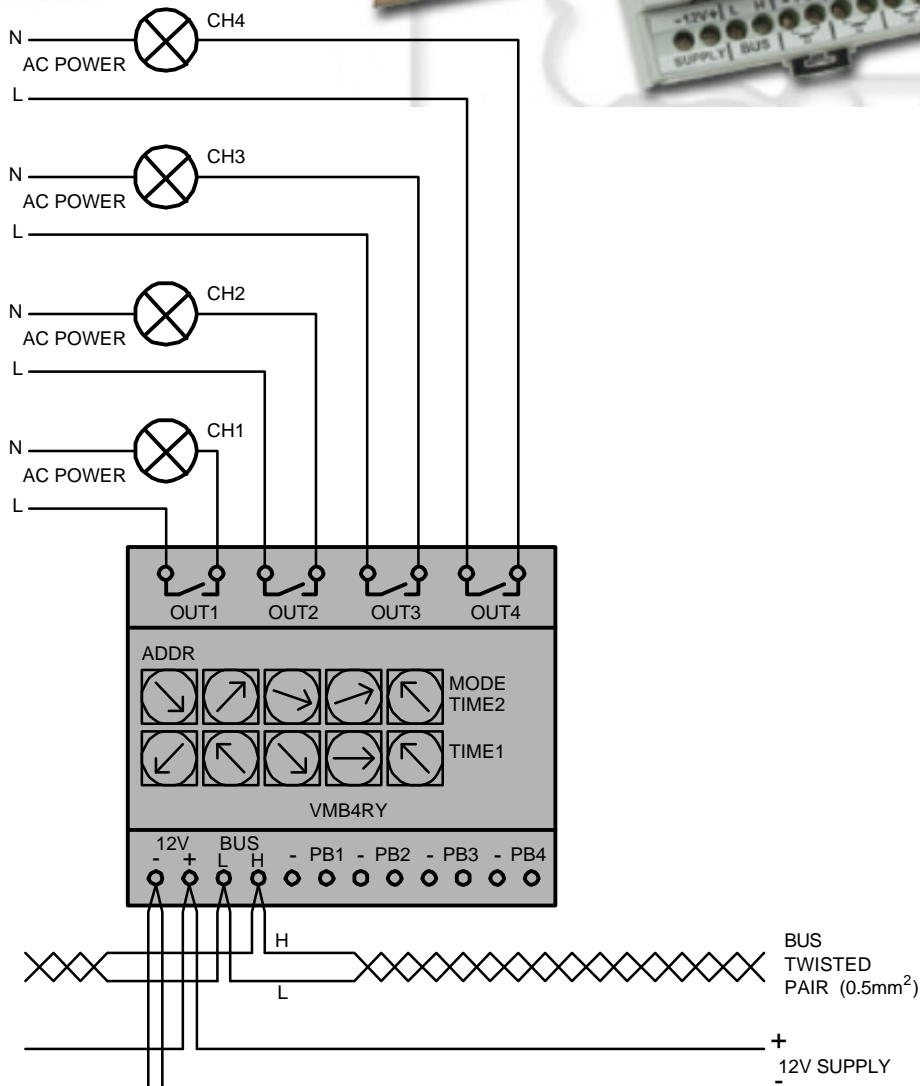
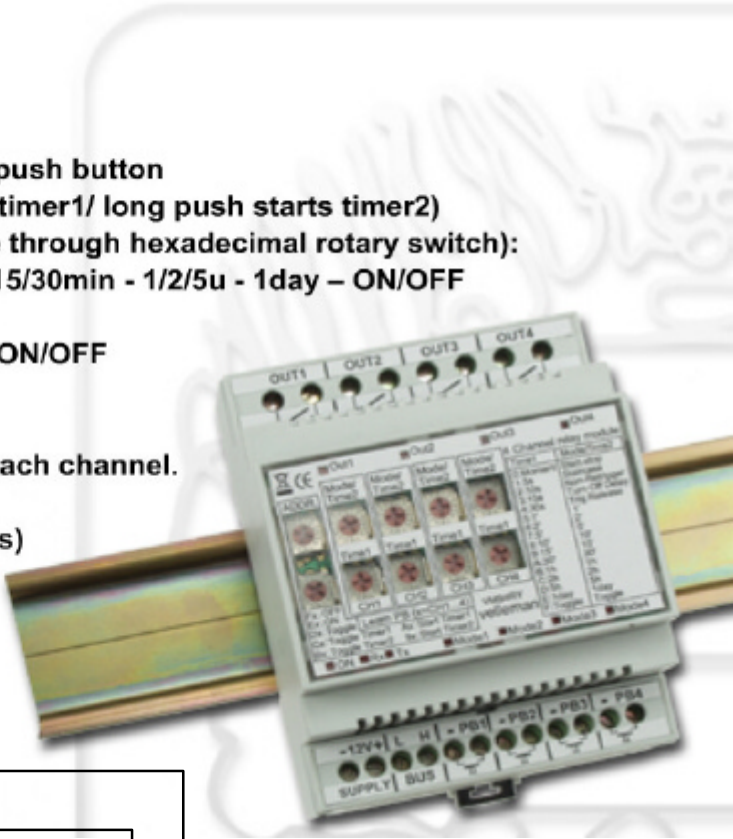
7 different control possibilities

Storage space for 16 different

push buttons per control group for each channel.

228 possible addresses

Standard DIN-rail housing (4 modules)

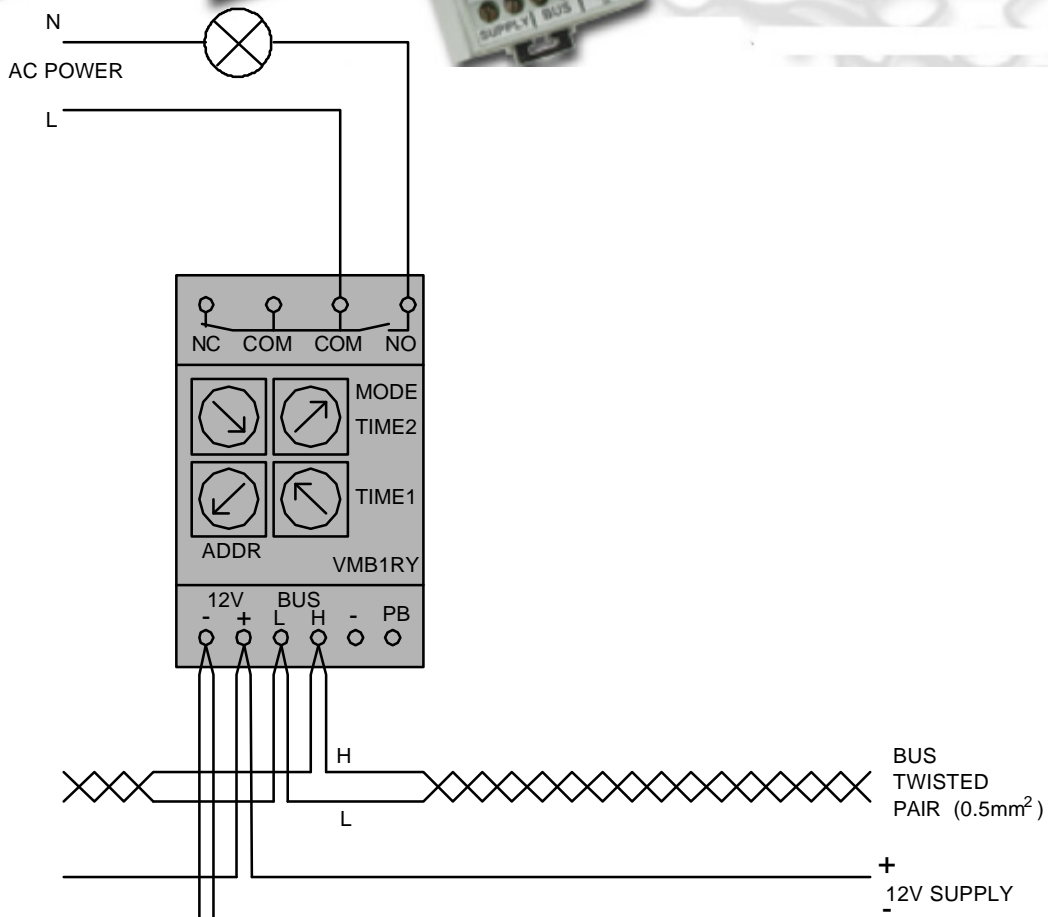
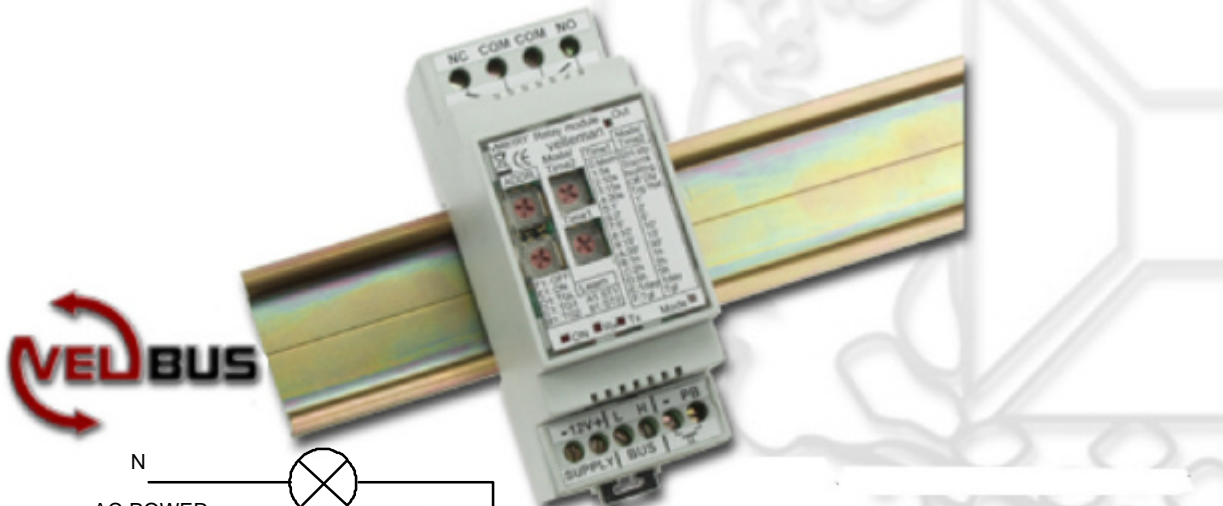




## VMB1RY

Relay module

- Suppressed relay contacts: 5A/230Vac max.
- 8 different operation modes (adjustable through hexadecimal rotary switch)
  - Moment control - ON/OFF - Start/stop timer - Staircase - Non-restorable timer
  - Cut-off delay - Start timer by releasing push button - 2-way timer
- 16 possible time settings
  - Moment - 5/10/15/30s - 1/2/5/10/15/30 min - 1/2/5 hours - 1 day - ON/OFF
- 10 possible time settings for timer2
  - 1min - 2 min - 5min - 10min - 15min - 30min - 1u - 2u - 5u - 1dag - ON/OFF
- 7 different control possibilities:
  - Storage for 8 different push buttons per control group.
  - 249 possible addresses (adjustable through hexadecimal rotary switch)
  - Standard DIN-rail housing (2 modules)





## VMB1DM Dimmer module

Fit for light bulbs, halogen on mains and low mains halogen in combination with a dimmable electronic transformer  
Phase cut-off technology through CoolMOS™ FET transistor  
Mains pollution (EMI) conform EN55015

Required mains voltage: 100-125V/60Hz or 220-240V/50Hz

Maximum load: 300W at 230V or 150W at 115V

Dimming from 0 to 100% in ca. 4 seconds

9 different operation modes (adjustable through hexadecimal rotary switch):

- Moment control
- Start/stop timer
- Staircase lighting
- Dimmer
- Dimmer with memory function
- Multi-position dimmer
- Slow-on dimmer
- Slow-off dimmer
- Slow on-off dimmer

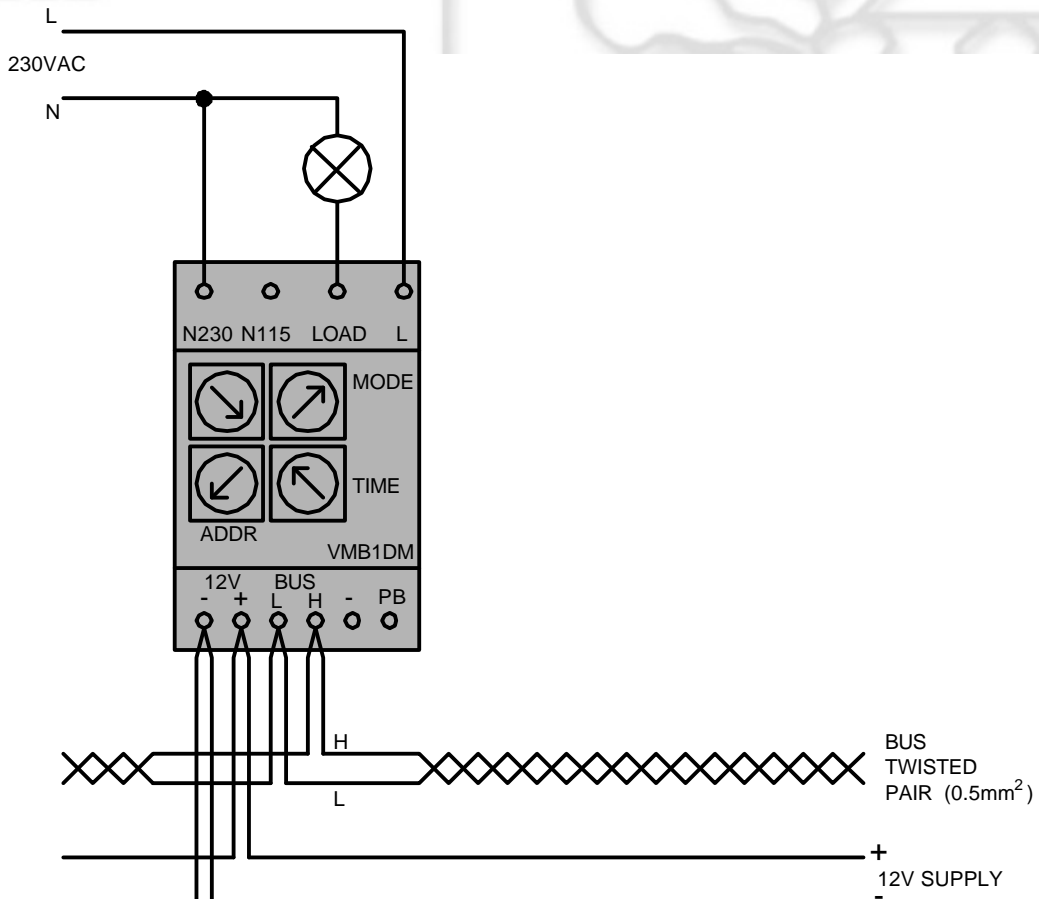
16 possible time settings

moment - 5/10/15/30s

1/2/5/10/15/30min - 1/2/5u - 1day

7 different control possibilities:

249 possible addresses





## VMB1BL

Blind control module

Can be used to control an electric roll-down shutter, sunblind ...

Suppressed relay contacts: 5A/230Vac max.

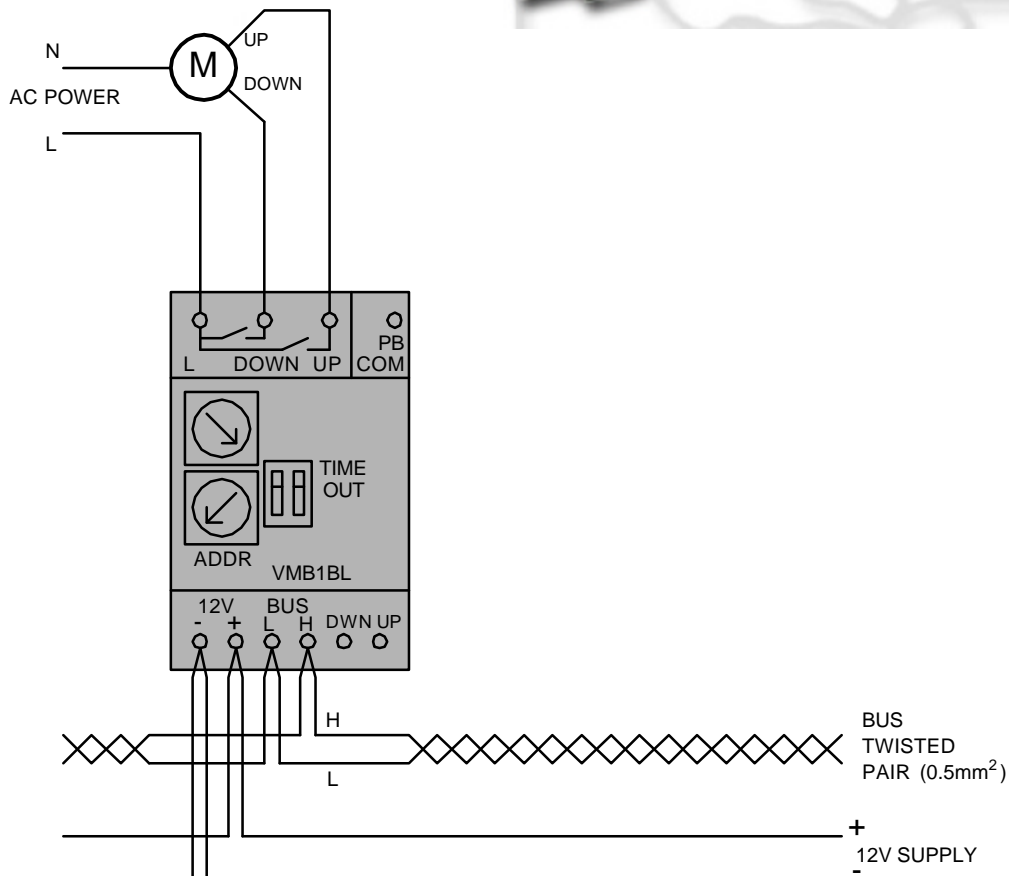
4 possible switching times (set-up through bipolar toggle switch):

15s - 30s - 1min - 2 min

Storage for 16 different push up buttons and 16 different push down buttons

254 possible addresses (adjustable through hexadecimal rotating switch)

Standard DIN-rail housing (2 modules)





## VMB2BL

### 2-Channel blind control module

Can be used to power two electric controlled roll-down shutters, sunblinds ...

Suppressed relay contacts: 5A/230Vac max.

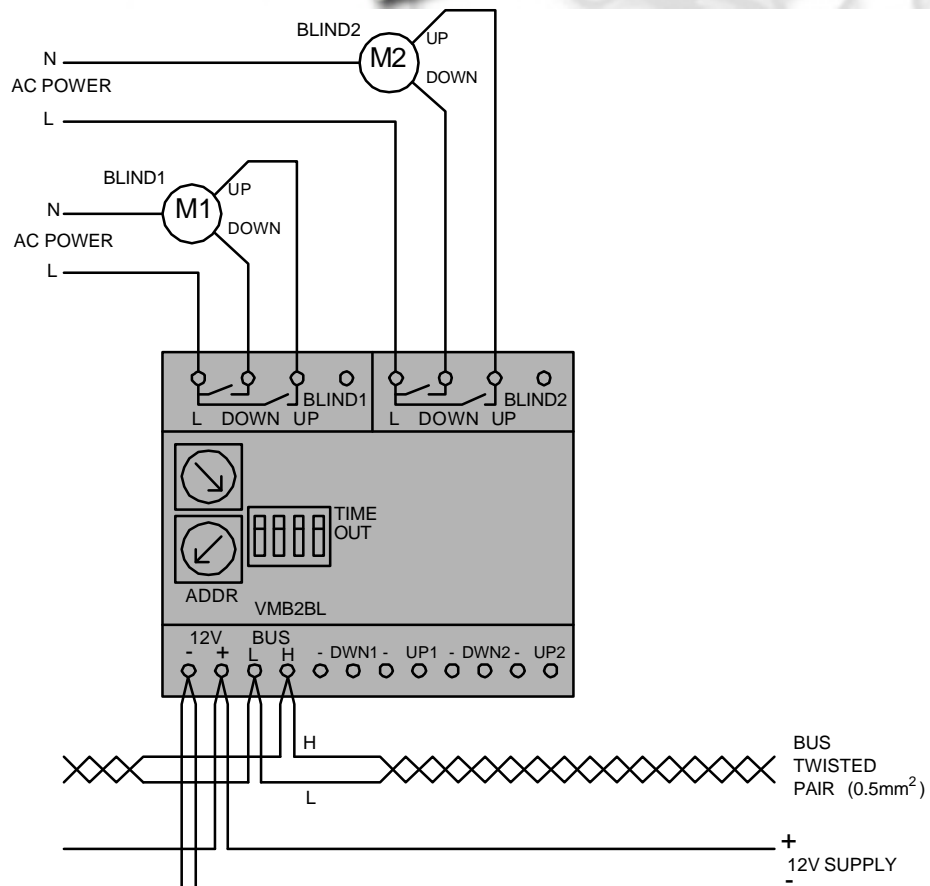
4 possible adjustable cut-off times (through 4-pole tumble switch) per channel:

15s - 30s - 1min - 2 min

Storage space for 16 different push-up buttons and 16 different push-down buttons for each channel.

252 possible addresses (adjustable through hexadecimal rotary switches)

Standard DIN-rail housing (4 modules)







## VMB6IN

6-channel input module

Can be used to connect push buttons, door or window contacts, movement detector relay contacts, open collector outputs ... on the VELBUS system.

Contacts may be placed on a long distance from the module.

Up to 6 inputs.

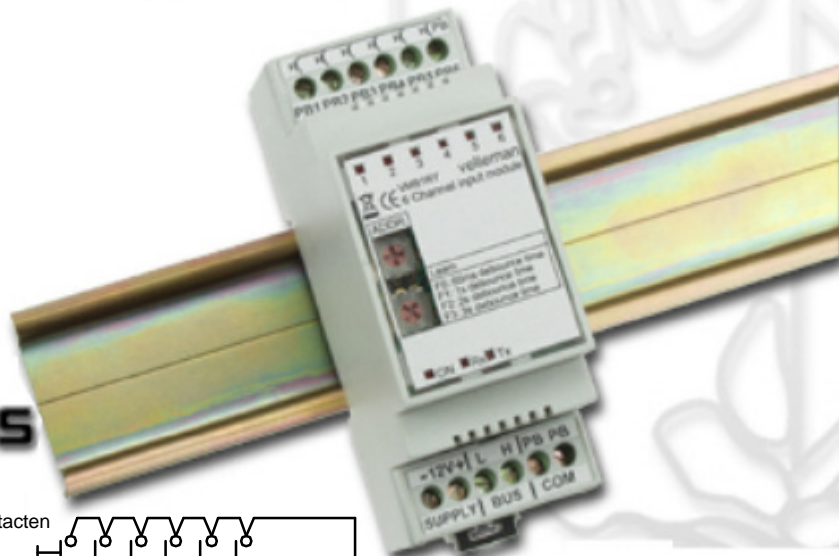
Input debounce: 65ms.

Possibility for each input to react only when they are closed for 1, 2 or 3 seconds.

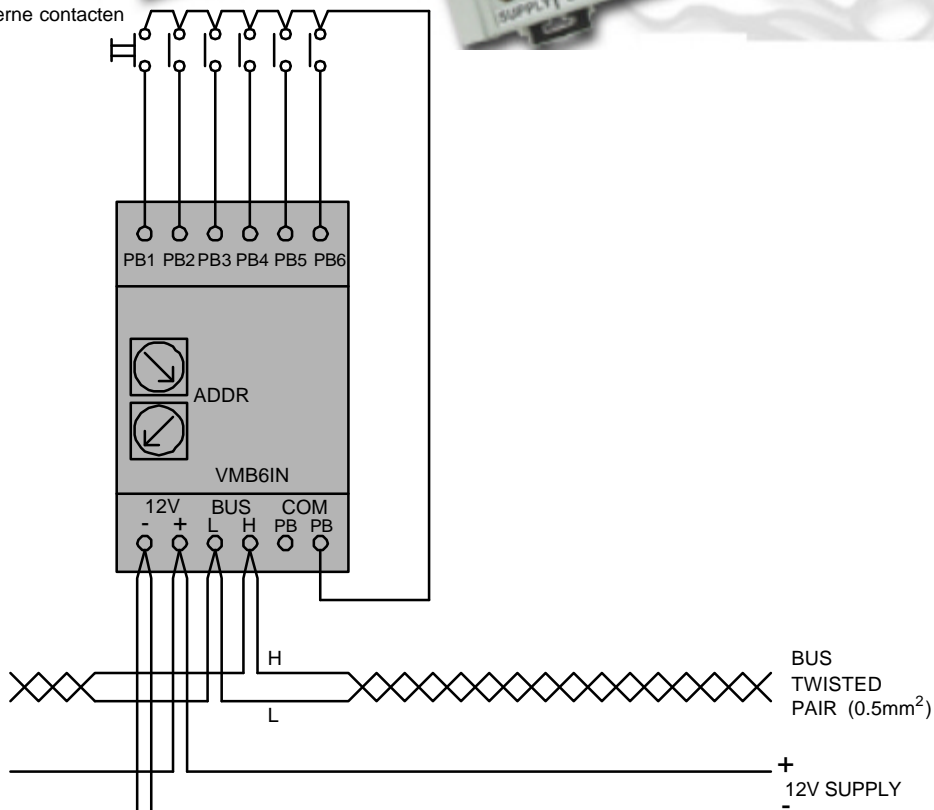
LED indication per input.

252 possible addresses (adjustable through hexadecimal rotary switch)

Standard DIN-rail housing (2 modules)



Externe contacten

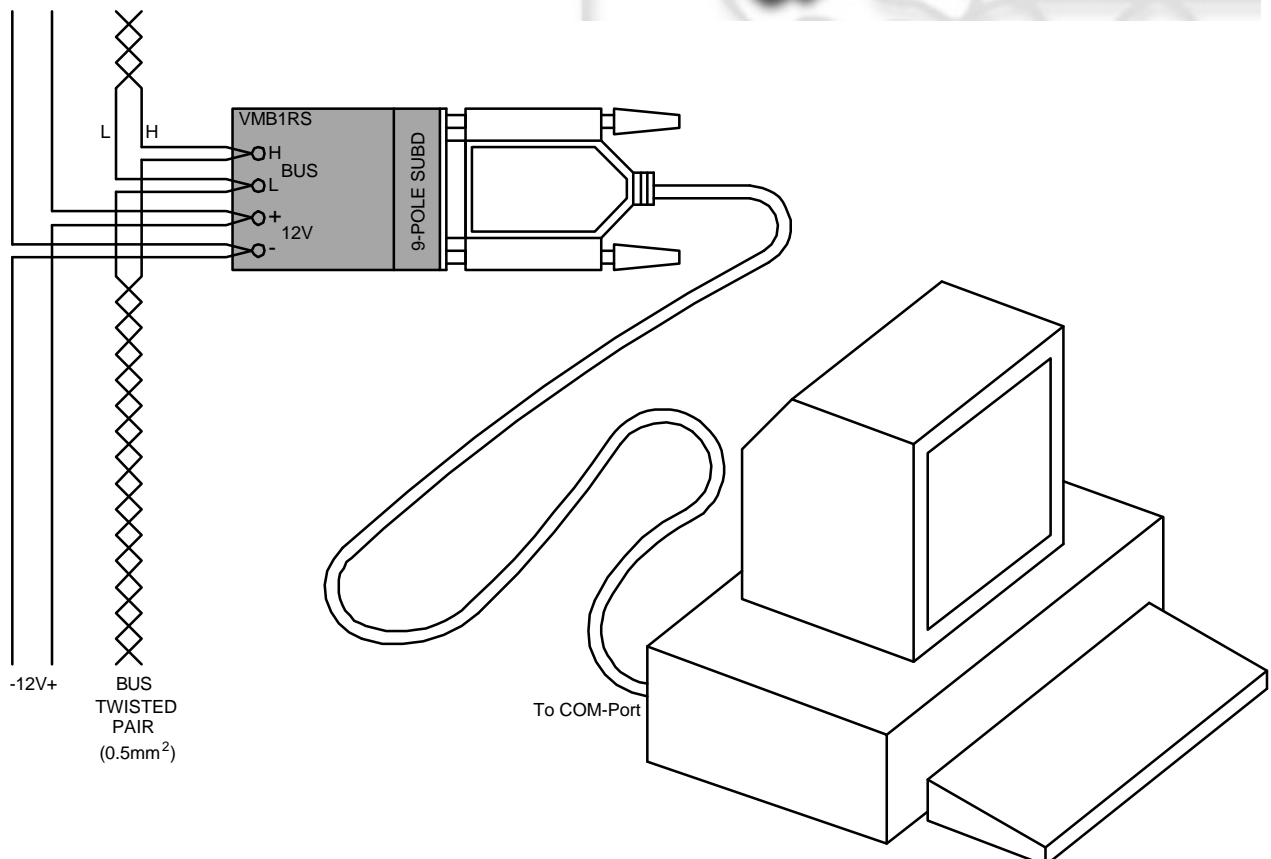
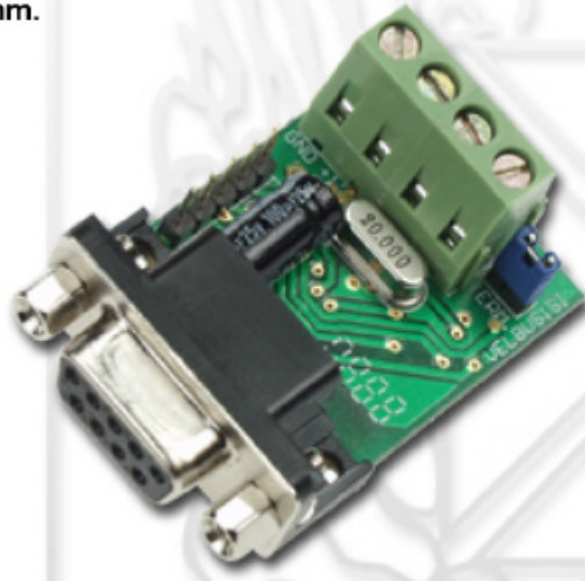




## VMB1RS

Serial interface

- VELBUS system control through a computer.
- Processing VELBUS messages on the computer.
- Full duplex RS232C communication with PC.
- Optical separation between computer and VELBUS system.
- LED indicators for:
  - Power tension.
  - Data reception and forwarding to computer.
  - Data reception and forwarding through VELBUS.
- Dimensions (L x W x H): 48 x 30 x 18mm.





## VMB3PS

Power supply module



Three 12V/1A DC outputs for powering VELBUS module

Short circuit-safe

Required input tension: 12VAC/3A

Standard DIN-rail housing (2 modules)

