

VMBGP4PIRB datasheet

Glass control module with 4 touch keys and built-in motion and twilight sensor, black

The VMBGP4PIRB provides 4 touch buttons as well as motion, twilight and even absence 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. If the controlled light shines into the PIR sensor, the sensor will continue detecting so you are never left in the dark (presence detection).



Features

- motion detector for indoor use
- output channel for motion detection with adjustable timeout
- output channel for light dependent motion detection with adjustable light sensitivity and timeout
- output channel for absence detection with adjustable timeout
- output channel for twilight detection with adjustable light sensitivity and timeout
- extended day, week and year timers with integrated astronomical clock (sunrise/set), to simulate button press.
- 4 touch buttons that can be used as a single button
- the button's reaction time can be set to 0, 1, 2 or 3 seconds
- LED feedback for every touch button (can be set in VELBUSLINK)
- integrated temperature sensor to control heating and air conditioning
- can be configured through the Velbus PC interface (VMB1USB, VMBR5USB) and the free VELBUSLINK software

Specifications

- mTouch[®] technology
- security glass
- LED indicators for voltage supply and data (on the back)
- 250 possible addresses
- uses a single address for the buttons/movement sensor and another for the thermostat (can be set in VELBUSLINK)
- not suitable for mounting on electrically conductive surfaces (eg. metal), or in the vicinity of sources of electromagnetic interference

Protocol manuals for developers: available for download at <https://github.com/velbus>

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Specifications

detection angle of motion sensor	100°
detection distance of motion sensor	max. 4 m
light sensitivity	1 - 100 lux (VMBGP4PIRW), 30 - 300 lux (VMBGP4PIRB)
power supply	15±3VDC
current consumption	25 mA
dimensions	86 x 86 x 11 mm PIR sensor: Ø22 mm 4 mm glass + 7 mm to wall mounting depth: 28 mm connector included
useful temperature range	-10°C to +60°C

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