

## VMBPIRM datasheet

### Mini motion and twilight sensor for recessed or surface mounting

The VMBPIRM is much more than a miniature motion detector for indoor use. You can simultaneously use motion, twilight and even absence detection. The built-in astronomical clock allows the VMBPIRM to operate time-dependently. The module also detects motion for a passage signal and light dependent motion for lighting control. Thanks to its housing (included), the VMBPIRM is also suited for surface mounting.



#### Features

- motion detector for indoor use (wall or ceiling)
- housing included for surface mounting
- two output channels for motion detection with adjustable timeout
- two output channels for light dependent motion detection with adjustable light sensitivity and timeout
- output channel for absence detection with adjustable timeout
- two output channels for twilight detection (dark and light) with adjustable light sensitivity, reaction time and timeout
- supports extensive day, week and year programs with built-in astronomical clock for locking/unlocking the output channels
- configuration through Velbus PC interface (VMB1USB, VMBRSUSB) and the free VELBUSLINK software
- electronically addressable (up to 250 addresses)

#### Specifications

detection angle	100°
detection distance	max. diameter 6 m (at 2.5 m height)
light sensitivity	1 - 100 lux
required voltage supply	15±3VDC
current consumption	10 mA
dimensions	part to be built in: 55 x 15 x 15 mm (fits through an Ø 18 mm hole)  PIR sensor: Ø 22 mm (mounting depth 20 mm)  housing for surface mounting: Ø 75 mm / height 35 mm  mounting hole: without mounting accessory Ø 18mm; with mounting accessory Ø 20-22mm

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

#### VELBUS • VMBPIRM

Legen Heirweg 33 • 9890 Gavere • Belgium  
velbus.eu