

## VMBELPIR-BF datasheet

Edge Lit control module with motion and twilight sensor, black frosted



### Features

- motion detector for indoor use
- 1 channel for motion detection with adjustable timeout
- 2 channels for light dependent motion detection with adjustable light sensitivity and timeout
- 1 channel for absence detection with adjustable timeout
- 2 channels for twilight detection (dark and light) with adjustable light sensitivity, reaction time and timeout
- one pushbutton (touch technology)
- adjustable button reaction time (0, 1, 2 or 3 seconds)
- detection of short and long button press
- configurable dual channel pushbutton: a different channel is selected depending on the length of the push (short or long push)
- configurable multi-channel operation on pushbutton: the next channel is selected at each press (up to 2 channels)
- extensive day, week and year programs plus a built-in astronomical clock (sunrise and sunset timing) are included to operate pushbuttons automatically
- integrated temperature sensor to control the heating and air conditioning (only usable when side LEDs are turned off)
- feedback/mood lights with RGBW side LEDs (adjustable light intensity and RGBW color)
- the light intensity and color of the feedback and/or mood lights are independently adjustable per side
- LED-indication for supply voltage and data (backside)
- uses one address for the pushbutton, motion and twilight channels, and another address for the thermostat function (optional) (configurable in the VelbusLink configuration software)
- configurable by using the Velbus PC interface (VMB1USB or VMBRSUSB) and the free VelbusLink configuration program
- available in black and pure white, in both glossy and frosted finish

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

VELBUS • VMBELPIR-BF

Legen Heirweg 33 • 9890 Gavere • Belgium  
[velbus.eu](https://velbus.eu)

## VMBELPIR-BF datasheet

Edge Lit control module with motion and twilight sensor, black frosted



### Specifications

- not suitable for installation on electrically conductive surfaces (eg. metal), or nearby sources of electromagnetic disturbances
- mounting frame included (screw / clamp)

detection range	94° horizontal x 82° vertical
detection distance (motion)	max. 5 m
light sensitivity	10...300 lux
touch-technology	SMSC RightTouch®
front material	safety glass
supply voltage	15±3 VDC
possible addresses	250
program steps	max. 66
dimensions	LxWxD: 86 x 86 x 11 mm (4 mm glass + 7 mm to wall) installation depth: 28 mm including the connector
temperature range	-10°C to +40°C
power consumption	when side LEDs are off: 25 mA when side LEDs are full brightness: 110 mA

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

**VELBUS • VMBELPIR-BF**  
Legen Heirweg 33 • 9890 Gavere • Belgium  
[velbus.eu](https://velbus.eu)