

VMBELO-BF datasheet

Edge Lit control module with OLED display and temperature controller
frosted black edition



Features

- black edition (also available in white)
- frosted glass edition (also available in glossy glass)
- configurable by using the Velbus PC interface (VMB1USB or VMBRSUSB) and the free VELBUSLINK program
- feedback/mood lights with RGBW side LEDs (adjustable light intensity and RGB colour or warm white by using VELBUSLINK)
- the light intensity and colour of the feedback and/or mood lights are independently adjustable per side
- adjustable button response time (0, 1, 2 or 3 seconds)
- detection of short or long button press
- configurable multi-channel operation on each push button, the next channel is selected at each press (up to 32 channels)
- dual channel push button configurable, a different channel is selected depending on the length of the push (short or long push)
- extensive day, week and year programs plus a built-in astronomical clock (sunrise and sunset timing) are included to operate push buttons automatically
- integrated temperature sensor to control the heating and air conditioning (only usable when side LEDs are off)
- up to a max. of 8 pages with 4 buttons per page (= 32 controls in total)
- displays the date, time, controls (max. 32), temperature/thermostat (max. 13), energy, gas or water consumption (max. 4) and it reads analog sensors (max. 4)
- local menu to adjust the time, date and thermostat settings
- the OLED-display (128 x 128 pixels) can be constantly dimmed or turned off when not in use (screensaver mode)
- dynamic texts can be displayed (for example: Sonos info from IoT Gateway)
- LED-indication for supply voltage and data (backside)
- uses one address per 8 buttons and one for the thermostat function (optional) (configurable by using VELBUSLINK)

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

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Specifications

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

touch technology	SMSC RightTouch®
material	safety glass
supply voltage	15±3 VDC
possible addresses	250
programming steps	max. 162
dimensions	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: 35 mA when side LEDs are on full brightness: 120 mA

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