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VMBDMI-R datasheet

Single channel triac dimmer for resistive and inductive loads

1-channel 400W dimmer (redesign of the VMBDMI with improved hardware). Create an atmosphere which suits you best or let your lights dim slowly to avoid unexpected surprises. It is also possible to simulate a sunrise which makes waking up a lot more pleasant!

Features

- leading edge dimmer
- suited for: incandescent bulbs, halogen lamps on AC, low-voltage halogen lamps in combination with dimmable wire-wound iron core
- soft turn on / off extends bulb life
- thermal protection
- switches off with too inductive loads (feature can be disabled for use with dimmable LED lamps)
- 250 possible addresses
- operating modes:
  - dimming
  - slow on / off
  - timer
  - multi level dimmer
  - moods
- turn off time: from 1 s to 3 days
- dimming speed: from 2 s to 23 h
- dimming from 0 until 100 % in 4 s
- minimum level can be preset
- built-in not resettable fuse

Specifications

AC power	220 - 240 V 50 Hz
max. load	400 W
minimum load	40W (if necessary add an electronic preload)
thermal protection	› 80 °C to 25 % light intensity › 90 °C to 0 % light intensity
power supply	15±3VDC
dimensions	90 x 36 x 58 mm
width	DIN 2 modules
consumptio	30 mA
fuse	4A slow, 5x20mm

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

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