

VMBRFR8S datasheet

8-channel RF receiver



Features

- wireless remote control of entry gates, garage doors, lighting, blinds, etc.
- the receiver simulates 8 push button channels on the Velbus system
- wide range of operation (up to 250 m in open area)
- works together with 2-channel handheld transmitter VMBRFT2H and 4-channel handheld transmitters VMBRFT4H
- the 2-channel transmitter can control channels 1 & 2, or 3 & 4, or 5 & 6, or 7 & 8
- the 4-channel transmitter can control channels 1 to 4, 3 to 6, or 5 to 8
- assigning transmitters can be done manually or via the free VELBUSLINK program
- LED indication for receive status and learning mode
- adjustable channel response time (0, 1, 2 or 3 seconds)
- detection of short or long button press
- configurable multi-channel operation, the next channel is selected at each press (up to 8 channels)
- configurable dual channel push button, 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 the receiver channels automatically
- uses one address (configurable in VELBUSLINK)
- configurable by using the Velbus PC interface (VMB1USB or VMBRSUSB) and the free VELBUSLINK program

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

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Specifications

- precautions:
 - electrically conductive materials (eg. metal) in the vicinity may interfere with the RF signal
 - using multiple transmitters on the same receiver at exactly the same time (within 100ms of each other) may cause a channel to remain pressed until the next button press, or until a timeout of 2 minutes has expired (whichever comes first)

frequency	868 MHz
antenna	built-in (additional external antenna can optionally be connected)
coding system	unidirectional addressing transmission
max. number of transmitters	48
number of channels	8
possible addresses	250
max. number of program steps	74
operating temperature range	-10°C to +55°C
supply voltage	15±3 VDC
power consumption	30 mA
dimensions	47,5 x 47,5 x 20 mm
protection (IP)	IP20

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