

mod.

IR-MB-PULSE

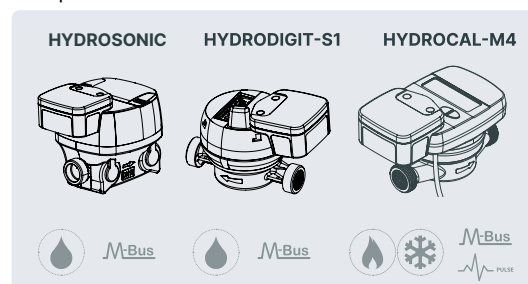
Wired M-Bus transmission module with two pulse inputs



Description

The IR-MB-PULSE add-on module can be installed on water meters HYDRODIGIT-S1 (from MID22), HYDROSONIC and on thermal energy meters HYDROCAL-M4. Allows connection to the wired M-Bus network and allows to connect up to two pulse inputs (HydroCal-M4 only) compatible with meters (water, gas, electricity, heat, units) equipped with pulse emitter (REED or Open Collector). All information is sent over a single M-Bus address thus allowing easy reading of all consumption. The parameters of the module can be set via the M-Bus network or, only for HYDROCAL-M4, directly on the meter via Bmetering Software or free Android app Bmetering NFC Config.

Compatible meters



Technical features

Dimension (WxDxH)	63 x 63 x 32 mm (excluding cable)
Weight	185 g
Temperature Range	From +1°C to +55°C
Power Supply	Non-replaceable lithium battery 3V LiMnO2
Max battery Life	10 years
Protection class	IP68**
Communication protocol	Infrared
Transmission data protocol	M-Bus standard EN13757-2/3
M-Bus communication baud rate	300/2400/9600 bps (2400 bps default)
Network voltage	Min. 24V – max. 42V***
Minimum M-Bus interrogation interval	15 minutes
Measurement sensibility	From 0.001 to 10.000 x/pulse
Measurement unit available	kWh, MWh, MJ, GJ, m3, other
Pulse sampling frequency	10 Hz, 25 Hz (10 Hz default)
Cable	1,5 meters (5 conductors)
Compatible devices	HYDROCAL-M4 serial number 05053000 or greater HYDRODIGIT-S1 from MID22 / from module HYDROSONIC / serial number 24636000
User interface	Red status LED

*Battery life depends on the number of associated devices, number of M-Bus wired requests and the environmental conditions

**Maximum 24 hours of continuous submersion at a depth of 1 m.

***When connected to the M-Bus network, the internal battery has backup function.