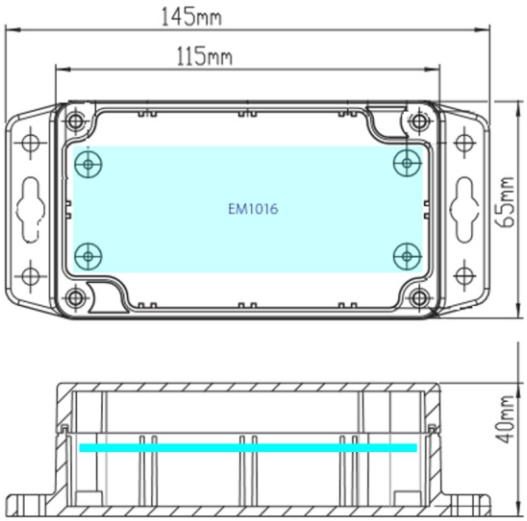
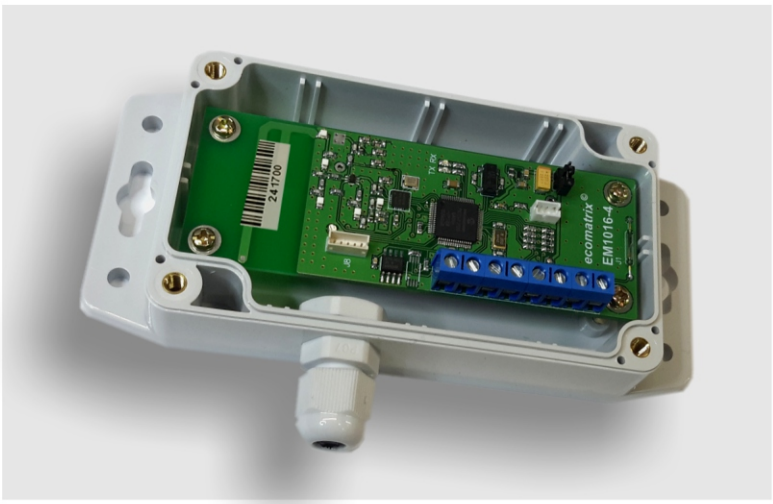
Pulse RF unit (EM1016)

External radio transmission unit is used for data transfer from water, electricity and gas meters with **pulse outputs**. The unit has 4 built-in pulse inputs. The unit has the lithium battery for more then 12 years of operation. The user settings are set by radio with RF Terminal and the special program. Each input has its own reading/programming parameters.

Parameters	Description
Description	Pulse RF unit EM1016
Input Connection Types	4 programable indipendent inputs from meters with pulse outputs (dry contact, open colector)
Inputs Specification	Minimum pulse width - 20 mSec. Maximum cable from meters length - 10 meters.
Box Size	145x65x40mm
Unit Weight	150 grams
Power Supply	Lithium batteries, "AA" size, 3,6 VDC
Operational Life	12 years
Settings time intervals between transmitions	10 sec…18 hours
Maximum number of records in archive (internal data logger)	1 year for the each input - current, hourly and daily consumption archive
RF frequencies (ranges)	FSK 433/865/868/902 MHz - is defined of each country regulations
RF Transmit Bitrate	10.0 kbps
Wakeup	Periodic – internal timer
Configuration Storage	Non-volatile memory
Environmental	IP-65 (optional - IP68)
Operating Temperatures	-30° C to +70° C
Humidity	Max. 90%

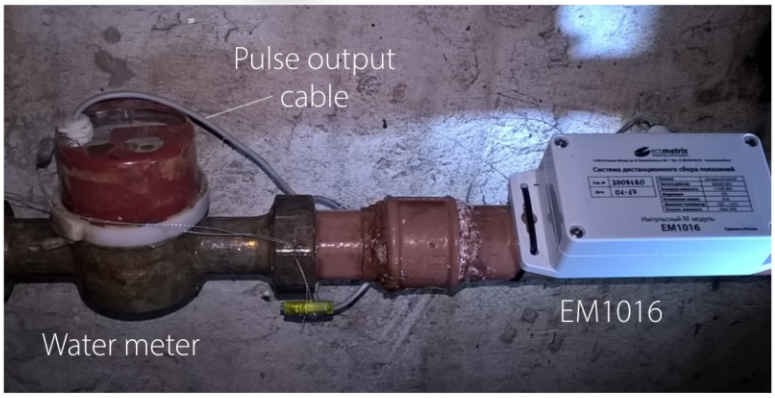
Dimensions, mm





The EM1016 units user settings are set by radio with EcoMatrix RF Terminal (EM3011) and the special software. Each unit is set to data transmit sequentially each time according to programmed interval of time - commonly, from 10 seconds and up to 60 seconds. The EM1016 unit has internal 1 year data logger (current, hourly and daily consumption archive), for the each input.

The meters data from EM1016 is transmitted directly to the WalkBy/DriveBy system or (and) to the Fixed Reading Management system for automatic collection.



Signals of connection terminals

IN1	Input 1	Input signals from the meters with pulse output
COM	Common	
IN2	Input 2	
COM	Common	
IN3	Input 3	
COM	Common	
IN4	Input 4	
COM	Common	

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