



- The wireless pulse converter detects home energy meters (electric, water, gas) by means of sensors, and sends them to the wireless unit RFPM-2M.
- The energy gateway RFPM-2M acts as an interface between the meter and a smartphone.
- Measured values are displayed in the application iHC-MAIRF/iHC-MIIRF, in daily, weekly or monthly overview in graphs.
- The sensor is designed for use on existing meters and even without the impulse output "S0" (The gauge must support scan).
- RFTM-1 transfers consumption from meters using sensors - LS (LED sensor), WS (Magnetic sensor for meter), MS (Magnetic sensor) or by impulse output („S0“).
- For each consumption meter, it is necessary to have one pulse converter RFTM-1.
- Battery power (2x 1.5 V AAA batteries - included in package) with average battery life of around 2 years (according to the type of scan, frequency of transmissions and pulses).
- Range up to 100 m (in open space), if the signal between the controller and the user is weak, use the signal repeater RFRP-20 or protocol component RFIO2 that support this feature.
- Communication frequency with bidirectional protocol RFIO.
- The increased IP65 protection is appropriate for mounting in risers, switchboards and other demanding environments.

Technical parameters		RFTM-1
Power supply:	2x 1.5 AAA batteries	
Battery Life:	Appr. 2 years, (depending on the type of sensor, frequency of transmissions and pulses)	
Indication		
Setting mode:	Green LED flashes - active Red LED - flashes during impulse sensor registration	
Communications Test - RF STATUS:	Green LED - communication OK Red LED - communication ERR	
Normal operation:	no indication	
Control		
Manual control:	button SET	
Sensor Selection:	rotary potentiometer	
Supported sensors (not included in the package):	LS (LED sensor) MS, WS (magnetic sensor) S0 (Contact, open collector, reed magnetic contacts)	
Output		
Communication protocol:	RFIO	
Frequency	866–922 MHz (for more information see p. 80)	
Range:	in open space up to 100 m	
Other data		
Working temperature:	-20 to +50 °C *	
Storage temperature:	-30 to +70°C	
Operating position:	any	
Protection:	IP65	
Cross-section of connecting wires:	max. 0.5 - 1 mm ²	
Dimension:	72 x 62 x 34 mm	
Weight:	104 g	

* Pay attention to the operating temperature of batteries.

Device description

