



General Overview



RFTU

The RF communication Terminal Unit – RFTU is an unlicensed RF radio communication link from a remote wireless unit. It can be used to send a Water and Gas meter data to the Power Line Communication (PLC) Automatic Meter Reading (AMR) system. The RFTU enables monitoring of Water, Gas, heating or other remote meter. The RFTU prevents the cumbersome use of connection wiring to those meters. The RFTU prevents the need of long distance radio communication requiring expensive infrastructure and hard-to-get allocated radio frequencies. The RFTU is extremely small in size and can be adapted to any existing meters. The RFTU is equipped with an extremely long life battery operating it for more than 15 years.

Features:

- ✓ Unlicensed RF communication 433MHz.
- ✓ Ultra low power consumption.
- ✓ Battery outstanding service life more than 15 years.
- ✓ Optional Tampering detection and report.
- ✓ Stand-alone unit.
- ✓ Extremely small – D X L = 30 X 165 mm.
- ✓ Transmits "life" signal periodically to indicate proper operation.
- ✓ 10 to 30m communication distance
- ✓ Simple and fast installation.
- ✓ Costs effective.



Water/Gas Reading

The transmitted signals are received by any near-by AMR system M180R, M320CT or M380R meter measuring electricity or any dedicated RF receiver. The receiver introduces the data into the power line using Power Line Communication (PLC) to be received by AMR system concentrator which stores the data for later report. No additional wires are required for reading the Water / Gas meters. No long distance radio communication infrastructure and licensing required. Mounted on water supply BULK meters allows monitoring of water supply and detection of leakages.

Technical Specifications

General	
Size – D X I	30 X 165 mm
Environmental	
Temperature	-30 +85 [C]
Operating Conditions	
Voltage	3.6 800mAH Lithium battery
Battery Service life	15 years
Communication	
Frequency	Unlicensed 433 MHz
Distance	10 30 meter

