

DATA READING UNIT RFU 40

Description and usage

The RFU 40 is a data reading unit for receiving radio data from measuring devices Apator Powogaz Czechia (E-ITN 40, E-ITN 30, E-RM 30) broadcasting with protocol APATOR METRA and Wireless M-Bus (T1+C1). RFU 40 is an independently working and battery powered device. This reading unit is designed to be used with a mobile device running Android v4.2 or higher.

Three LED indicators are located on the front panel that display state of the Bluetooth module, incoming radio data and battery level.

When turned on by pressing ON/OFF button all three LEDs briefly light up. While in use below mentioned symbols will be shown.

LED symbols description:



State of the Bluetooth module

1 flash in 3 seconds

Bluetooth is not connected (when unit is on it keeps flashing)

2 flashes in 3 seconds

Bluetooth is connected (when unit is on it keeps flashing)



Incoming radio data status

1 green flash – radio data transfer was successful

1 red flash – radio data transfer wasn't successful

Red keeps lighting – unit error



Battery level

1 flash in 1 second – low battery

Keeps flashing for 5 seconds – drained battery, unit will be turned off

Keeps lighting – charging the battery, light goes off when fully charged

Technical data

Measuring conditions	Operating temperature -20 to 55°C Charging temperature 0 – 45°C
Power supply	Lithium-ion Polymer (3,7 V, 1400 mAh)
Charging battery	USB – micro connector (max 5,0 V, direct current), charging cord length max. 3 m
Power input	max. 450 mA
Display	3 LED diodes
Software	Radio Admin
Operation system	Android version 4.2 and higher
Dimensions	7,2 cm x 8,8 cm (h x w)
Antenna length	9 cm
Weight	Approx. 90 g

Usage instructions

The RFU 40 reading unit is battery powered device. Battery is charged with Micro-USB (USB charging cord cannot be longer than 3m)

The RFU unit is operated by Radio Admin software and this software need to be installed on a mobile device running on Android v4.2 or higher. Radio Admin software can be downloaded from Google Play and licenses Ralic (for full usage of application) are available for registered customer only at www.metra-su.cz. All data reads are stored directly on the mobile device.

Detailed manual is available at www.metra-su.cz

Keep the device away from heat, hot surfaces, sparks, open flame and other sources of ignition.

Protect the device from the ingress of water and other liquids.

Possible minor faults and their removal

Possible defects are repaired exclusively by the manufacturer.

Disposal

"This device is subject to a waste management in accordance with local legislation.

Declaration of conformity, declaration of directive RoHS

You can find declaration of conformity and declaration of directive RoHS on producer's web page: www.metra-su.cz

Warranty

If device is installed and handled according to manufacturer instruction mentioned in user guide, manufacturer provides warranty under the valid legislation unless agreed differently.

Warranty and post-warranty repairs

Warranty and post-warranty repairs, servicing and maintenance of the device (including battery replacement) is exclusively provided by the manufacturer. Deliver the device in person to the manufacturer's headquarters or send it by courier to:

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