

## CENTRAL READING SYSTEM CRS 40 V3

### Description

Central reading system CRS 40 V3 is designed for data reading from measuring devices E-ITN 30, E-ITN 40, E-RM 30 and devices transmitting according to the Wireless M-Bus standard, which transmit in the C1 and T1 protocols. The reading network consists from one or more collecting units A (concentrator) for data reading and one control unit B (coordinator) that coordinate the reading network and send the data via Internet (Ethernet, Wi-Fi or GSM) to the remote operator. Control unit B is also used for reading setting (error logs, reading plan and base of plan) and for data transfer to customer system. All units of reading network communicate via wireless network. Units are power supplied from alternative current electrical network 230 V. Data from heat cost allocators and radio water meters are read every day. Operator can log into the reading network from his computer via encrypted connection using simple web graphic interface. E-mail or synchronization script can be used for automatic data transfer from reading network. Central reading system CRS 40 V3 is intended for installation inside the residential buildings.

### Safety instructions

Central reading system CRS 40 V3 is an electric device. This manual contains important information for proper and safe use of this equipment.

Read the manual carefully before work. Pay attention mainly to the safety precautions mentioned in the manual. The manufacturer assumes no liability for injury or damage caused by using the product contrary to this manual.

### Requirements for personnel performing installation, service and operation of the system

When working with device, it is necessary to distinguish between personnel handling directly with the equipment – no matter whether doing installation or service – and staff that only processing the data and accessing them via Internet. Before plugging in the charging cord to microprocessor, make sure to plug in backup battery first.

### Disposal



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

### Possible minor faults and their elimination

Any CRS 40 V3 defects should be repaired by manufacturer only.

### Warranty terms and conditions

If device is installed and handled according to manufacturer instructions mentioned in Installation and service manual, manufacturer provide warranty under the valid legislation unless agreed differently.

The warranty is void if device was used contrary to Installation and service manual or damaged:

- during transport or storage by customer or reseller
- when mounted or dismantled to the customer device
- because of improper handling or installation into other device than agreed in manual
- if the product was exposed to different environment than agreed in manual
- if mechanically or in other way damaged by user

### 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](http://www.metra-su.cz)

### Warranty and post warranty repairs

Warranty and post warranty repairs have to be done by manufacturer. Pack the defective product and send back to the address:

#### APATOR METRA s.r.o.

Havlíčková 919/24  
 787 01 Šumperk  
 Czech republic

Tel.: 583 718 263

Fax: 583 718 150

E-mail: [prodej@metra-su.cz](mailto:prodej@metra-su.cz)

www: <http://www.metra-su.cz>