

## EXTERNAL SENSOR FOR E-ITN 40

### Description

The external sensor for E-ITN 40 provides temperature measurement on radiators where it is not possible to install heat cost allocators E-ITN 40. Installing the indicator with an external sensor consists in mounting two items, the indicator and the sensor separately. The indicator is mounted on a wall-mounted base. The sensor is attached to an aluminum alloy base plate that mounts on the radiator.

### Application

The recommended installation area is on one-pipe horizontal or vertical heating systems and two-pipe heating systems with the lowest average projected temperature of the heat carrier greater than or equal to 35 °C and the highest average projected temperature of the heat carrier less than or equal to 105 °C, and at the same time, the indicator cannot be placed here because of its dimensions or long-term adverse thermal conditions.

When an external sensor is connected to the E-ITN 40, the indicator display will show "E.SenS" and the indicator will automatically switch to external sensor mode. All historical values will be deleted.

### Technical data

Application (heating medium)	$t_{\min} \geq 35 \text{ °C}$ $t_{\max} \leq 105 \text{ °C}$
Conditions for measuring	sensor temperature sensor of radiator $\geq 23 \text{ °C}$ temperature difference between the mean heating medium temperature and the reference air temperature $\leq 5\text{K}$ (according to standard EN 834:2013), different condition for registration in summer period
IP Code	IP 42
Electronic seal	yes

### Transport and storage

- devices can be transported by all usual covered means of transport
- devices must be in original package
- originally packed devices must be stored and secured to avoid mechanical damages during transportation
- devices can not be transported together with aggressive substances
- temperature during transportation from -10 °C to +55°C
- relative humidity from 45 % to 75 %

### Storage

- devices must be originally packed by manufacturer and individually stored in bags
- storage temperature from +10 °C to +30 °C
- relative humidity from 45 % to 75 %

- devices must be stored in clean covered areas without aggressive substances and stored properly to avoid mechanical damage

### Disposal



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

### Possible minor faults and their elimination

Any defect should be repaired by manufacturer only.

### Warranty terms and condition

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

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>