electronic HCA

Electronic heat cost allocator with uni-directional radio communication

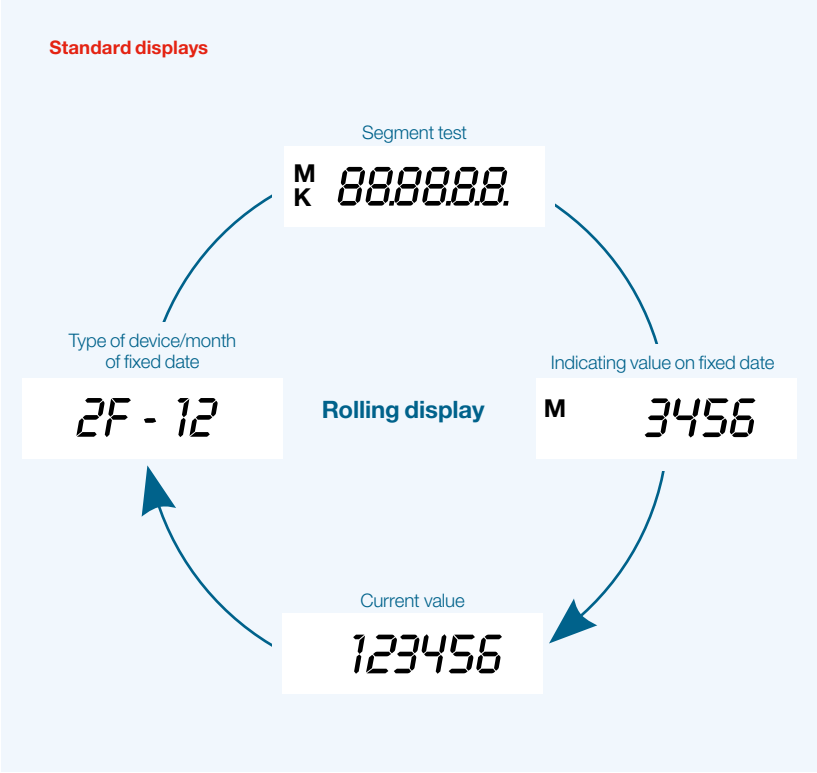
The electronic heat cost allocator has been developed for Itron external radio collectors. Thanks the uni-directional radio communication by wireless M-Bus the device can easily integrated into third party systems.

FEATURES

- Uni-directional wM-Bus, radio communication
- Hundreds of data telegrams sent per day
- Data transmission all year round
- Patented, fast and simple communication interface (inductive)
- 2-sensor device with high level of accuracy
- Remote sensor can be attached on site
- Mounting support is compatible with most welding stud positions

The consumption data can easily be seen on the 6 digit display. All relevant information is shown on the rolling display.

- Display test
- Fixed date value
- Current value
- Type of device / month of fixed date



UNI-DIRECTIONAL RADIO INTERFACE

The radio telegrams deliver various Information like device identification, consumption values and device status.

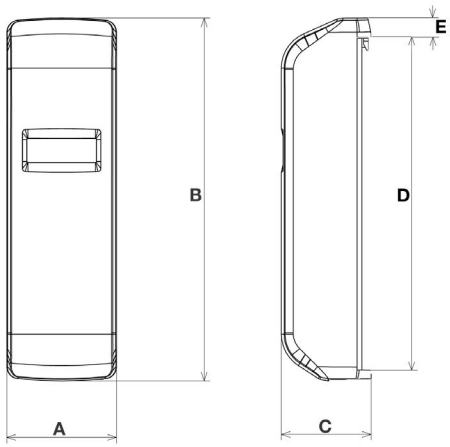
INDUCTIVE COMMUNICATION INTERFACE

The standard integrated communication interface enables the heat cost allocator data to be gathered quickly and securely. All the relevant parameters of the electronic heat cost allocators can be programmed, such as product scales rating factors, the fixed date billing or the annual reset of indicating value.

In addition, the interface in connection with Itron software enables high speed access to a variety of service extended data sets and status functions:

- Password protection
- 2 annual fixed dates
- 18 end-of-month indexes
- 18 mid-month indexes
- 18 monthly radiator temperature averages
- Remaining battery life time
- Error and manipulation reports

Dimensions



Dimensions	mm
A	37
B	122
C	30
D	111
E	7

Technical data

Characteristics	
Qualification approval in accordance with	EN 834 (HkVo) Approval no. C 3.01 / 2012
Protection class	IP43
Versions of device	compact and remote sensor version
Battery life time (normal)	10+1 year
Resolution	6 digits (00 00 00 ... 99 99 99)
Measuring principle	2 sensors
Scale	standard or product scale
Radiator thermal output	4-16.000 Watt
Range for heating systems	t_{min} 35 °C - t_{max} 105 °C (110°C remote sensor)
Operating range	-15 °C…+120 °C
Storage temperature	-25 °C …+60 °C

Radio specifications	
Protocol	EN 13757-3/-4 wireless M-Bus
Operating mode	C1 Mode
Frequency Band	868 MHz

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