innotas
Innovative Technology from Saxony

Electronic Heat Cost Allocator with W-MBUS

wireless applications

The new EURISII electronic heat cost allocator

- with, or without, W-MBUS radio function
- with, or without, optical interface
- one-sensor or two-sensor versions available
- remote sensor also available
- wide range of mounting accessories

You will benefit from

- ✓ Precise electronic capture of heat consumption
- ✓ Exchangeable receiving unit thanks to standardized radio transmission
- ✓ High level of data security through AES128 encoding
- ✓ No incorrect metering caused by extraneous heat, e. g. solar radiation
- ✓ Interruption of metering process during summer months possible
- ✓ Over 10 years of maintenance-free operation
- ✓ Optical interface allows free selection of parameters
- ✓ Readings of consumption data are verified by means of a displayed control figure
- ✓ Free choice of meter reading company

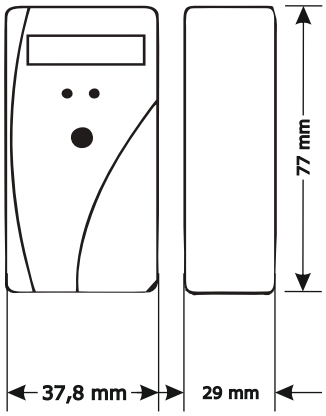
Innotas Elektronik GmbH
Rathenaustraße 18 a
02763 Zittau
Phone: +49/35 83/5860-23
Fax: +49/35 83/5409847
E-Mail: info@innotas-elektronik.de
Internet: www.innotas-elektronik.de

Innotas Produktion GmbH
Rathenaustraße 18 a
02763 Zittau
Phone: +49/35 83/58 5878
Fax: +49/35 83/585880
E-Mail: info@innotas-produktion.de
Internet: www.innotas-produktion.de

innotas
Innovative Technology from Saxony

Electronic Heat Cost Allocator with W-MBUS

wireless applications



The EURISII electronic heat cost allocator comes in one-sensor and two-sensor versions. It is available with optical and/or radio interface.The radio protocol applied is the W-MBUS protocol according to DIN EN13757-4 in the T1 or S1 mode.
The data to be transmitted can be coded using AES128 according to the OMS standard.

The one-sensor version of the electronic heat cost allocator measures the temperature at the surface of a radiator within a range from 20 to 110 degrees Celsius. The consumption value is calculated on the basis of the radiator temperature and a fixed reference temperature of 20 °C. The two-sensor version additionally measures the room temperature, and consumption is established on the basis of the temperature difference, which makes these devices precise and even more tamper-proof. Furthermore, several functions have been implemented to prevent metering in the summer (no consumption is recorded when the radiator is not receiving heat from the central heating system). A control figure for the verification of readings can also be displayed, which allows the users to read consumption values on their own (and to notify the metering company by postcard).

Parameter	Value
Power supply	3V DC battery
Operating time using one battery	10 +2 years
Interfaces	Optical, contact
Radio interface	W-MBUS
Protocols	S1, T1 according to DIN EN13757-4
AES	AES128 Mode5
Temperature sensors	1 or 2
Temperature application borders	
tmin (one-sensor)	55°C
tmin (two-sensor)	35°C
tmax (one-sensor)	95°C
tmax (two-sensor)	95°C
Data storage	Meter readings, reference value/due date, 18 monthly readings
Display	7 1/2 digits
Self-test	Sabotage, sensor(s), operating time, reset, data
Certification mark	Approved according to the German heating cost regulation (HKVO)

Innotas Elektronik GmbH
Rathenaustraße 18 a
02763 Zittau
Phone: +49/35 83/5860-23
Fax: +49/35 83/5409847
E-Mail: info@innotas-elektronik.de
Internet: www.innotas-elektronik.de

Innotas Produktion GmbH
Rathenaustraße 18 a
02763 Zittau
Phone: +49/35 83/58 5878
Fax: +49/35 83/585880
E-Mail: info@innotas-produktion.de
Internet: www.innotas-produktion.de