# Electronical heat cost allocator K335 / KF336

DATASHEET

Version 10/2015


## Description

The electronic heat cost allocator K335 and KF336 meets all the requirements of all users with its numerous new features, attractive design and outstanding quality.

Thanks to the double sensor technology the heat cost allocator K335 and KF336 precisely captures the smallest temperature differences between the radiator and the ambient, even with low temperature heating systems. The device separates between heating and sun exposure. This eliminates faulty data collection in summer months.

## Additional functions

- Electronic tamper detection package with the ability to record all openings
- Optional automatic annual reset process and suppression of the summer count
- Programming using pocket PC via optical interface
- Auto rolling or push-button retrievable display
- 36 months values
- Check digit at the record date for the manual read
- Sequence and extent of the display sequence can be specifically parameterized

| Technical data | K335 | KF336 |
|---|---|---|
| Mesasuring system | 2-sensor or 1-sensor with starting sensor | |
| Radiator rating | Unit scale / product scale | |
| Display | 6-digit LC-display with symbols | |
| Service life (t) | >10 years | >10 years |
| Temperature sensor | NTC | NTC |
| Temperature range 1-sensor ($t_{min}$ / $t_{max}$) | 55° C / 90° C | 55° C / 90° C |
| Temperature range 2-sensor ($t_{min}$ / $t_{max}$) | 35° C / 90° C | 35° C / 90° C |
| Capacity range ($P_{max}$) | 4 ... 16.000 W | 4 ... 16.000 W |
| Storage temperature | -20 ... 70° C | -20 ... 70° C |
| Dimensions (H x W x D) | 93 x 38 x 28 mm | 93 x 38 x 28 mm |
| Radio (f) | - | 434 MHz |
| Radio power (P) | - | 10 mW |
| **Order information** | **Item No.** | |
| EHKV<br>with optical interface | 86070000 | 86070002 |

| Accessory | Item No. | |
|---|---|---|
| **Installation on ribbed radiators (DIN steel, cast iron, pipe radiator)** | | |
| 1 Stk. Cylinder head screw M4x30<br>1 Stk. Lock washer B4<br>1 Stk. Clamp angle | 8610 | 8610 |
| 1 Stk. Cylinder head screw M4x40<br>1 Stk. Lock washer B4<br>1 Stk. Clamp angle | 8611 | 8611 |
| **Installation on panel-type radiators (smooth or vertical profile)** | | |
| 2 Stk. Threaded rod M3x16<br>2 Stk. Lock washer B3<br>2 Stk. Nuts M3 | 8620 | 8620 |





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## Standard configuration

The K335/KF336 is delivered from the factory with the following features if the customer has not ordered any specific requirements:

| | | |
|---|---|---|
| 1 | Due day | 01.01.xx |
| 2 | Summer time | 15.05. – 15.09. |
| 3 | Starting temperature summer/winter | 35° C / 29° C |
| 4 | Radiator capacity with unir scale | 1.000 W |
| 5 | Measuring procedure | 2-sensors |
| 6 | Zero-setting on due date | yes |
| 7 | Rating | unit scale |
| 8 | Due date display | yes |
| 9 | Checksum display | no |
| 10 | Startind date | no |
| 11 | Delivery in SLEEP-mode | yes |
| 12 | Opening recognition | yes |

## Data stored in unit

The following additional data can be read via an optical interface from the unit.

- Value of previous year
- Kc-value
- Kq-value
- Due date summer season
- Starting temperature summer
- Due date winter season
- Start temperature winter
- Starting date
- Date of first opening
- Date of last closing
- Opening duration
- Consumption values of 18 months
- max. Temperature current year
- max. Temperature previous year
- Current time
- Current date
- Single or double sensor version
- Firmeware version

## Display (automatic roll)

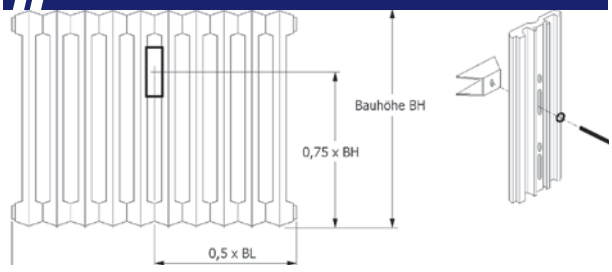
| Display | Description |
|---|---|
| 000348 | Cumulative Consumption |
| 8.8.8.8.8.8 | Segment test |
| 30.06.-- | Due date |
| 083462 | Due date value |
| 008340 | Monthly value |
| Err.00 | Error code (if available) |

## Radio system / Radio transmission KF336

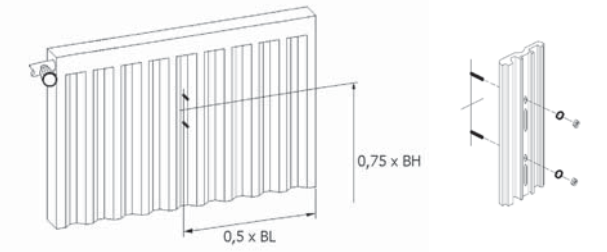
- Site number
- Date and time
- Cumulative consumption value
- Assessment factor Kc-value x Kq-value
- Room and radiator temperature
- Due date values and date
- 16 months values
- Annual maximum value and prior-year maximum value
- Error Code

The radio system has been designed for the following types of energy heat, water, gas and electricity and is realized with the integrated equipment solutions and module technology. The EHKV-KF336 is equipped with an integrated radio technology.
The radio system is based on bi-directional communication. The reading of consumption data is realized at actual time point by a radio- data transmission modem DFM-433 at a mobile PDA or notebook. Compared with conventional radio systems, no loads (burden) result from permanent radio signals, because the bi-directional system sends only if it is actually queried. By reading via radio, errors in regards to manual reading imprecision and recording imprecision are avoided.

## Installation ribbed radiator




## Installation Panel-type radiator





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