RCR-CP heat allocators: thermal consumption accounting in heating systems
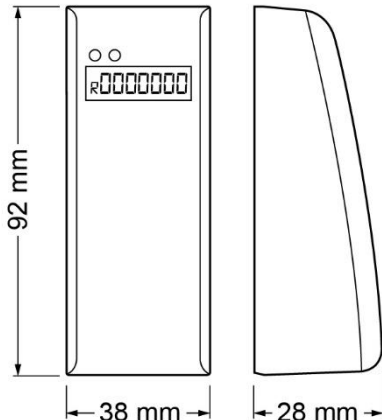
- **HKVO , EN834 Approval - DIN EN834 (Nov. 1994) DIN EN 13757-4 - UNI 10200 Standards**

- Electronic allocator for central heating system
- RCR- CP model with LCD display (7 digits ½)
- Preset for remote environmental temperature sensor
- Allocate expenses in proportion to each individual user
- Can be used in conjunction with thermostatic valve (which allows the adjustment of the room temperature where it is installed) to achieve maximum energy savings
- Communication interfaces:
  - wireless M-Bus or radio integrated S1, C1,T1 mode (standard), 868Mhz standard frequency (DIN EN 13757-4), data encryption AES 128-5 bit
  - optical device for data configuration and reading through infrared optical head and related software
  - Mechanical and electronic system against fraud tampering or removal of the device from the holder (event display during radio or reading transmission through the optical interface)
  - With lithium battery 3V DC-lasting 11 years +1 (depending on environmental and working conditions)
  - constant monitoring of memory, battery, sensor temperature, software reboot
  - Available different package for installation on different types of radiators (flipper, elements, tubular, plate, aluminum) and existing convectors

Model	Device with 2 sensors (measuring mode can be set) Mode 2 sensors or 1 sensor
Range	Fixed or variable (wide range of correction factors Kc)
Applications	2 sensors mode: from 35 °C up to 95 °C (with remote sensor up to 105 °C)
	1 sensor mode (in case of tampering): from 55 °C up to 95 °C (with remote sensor up to 105 °C)
Setting interface	Optical (M-Bus protocol) – Optical USB head required
Displayed values	Current consumpition/reading data/value at reading date
Invoicing date	Year, variable (excluded 29.02) Monthly, variable (1 – 28)
Memory of monthly values	132 monthly and forthnightly values
Interruption on summer months	May/june/july/august/september: at choice
Antitampering protection Teleghrams	Opening contact
	Short teleghrams in compliance to OMS (AMR) (current consumption /reading date/value at reading date/error code)
	Long teleghram* – *walk-by reading* (factory setting) (current consumption/15 monthly value/error code)
Power transmission (max.)	10 dBm
Frequency	868 MHz
Cryptography	AES 128
Wireless M-Bus interface	Programmed and switched off (automatic setting during installation)
Closing date (billing date)	31 may

Transmission	Interval	Interval	Interval
	Hour/Day	Hour/Day	Hour/Day
	Day/week	Day/week	Day/week
	Week/month	Week/month	Week/month
	Month/year	Month/year	Month/year
hardware reading system	**USB Wireless M-Bus receiver**		
software reading system	Setting: Wireless M-Bus 1.1 (per S.O. Windows)		

* Factory settings

92 mm

R0000000

38 mm — 28 mm

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