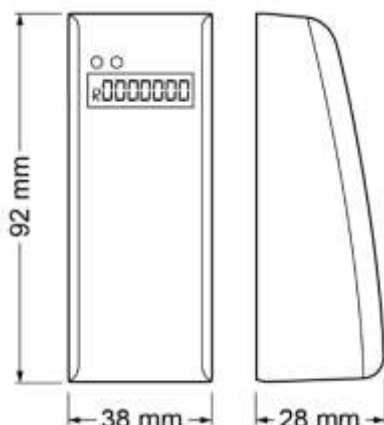


### RCR-CP heat allocators: thermal consumption accounting in heating systems

- **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 consumption/reading data/value at reading date		
Invoicing date	Year, variable (excluded 29.02) Monthly, variable (1 – 28)		
Memory of monthly values	132 monthly and fortnightly values		
Interruption on summer months	May/june/july/august/september: at choice		
Antitampering protection Telegrams	Opening contact		
	Short telegrams in compliance to OMS (AMR) (current consumption /reading date/value at reading date/error code) Long telegram* – 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	<b>USB Wireless M-Bus receiver</b>		
software reading system	Setting: Wireless M-Bus 1.1 (per S.O. Windows)		

\* Factory settings