G. GIOANOLA

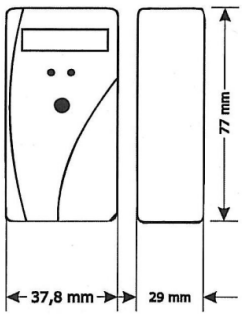
Heat cost allocators RCR-CP and RCR-SD: for the distribution of heat consumption on radiators for central heating systems

- **HKVO, EN834 approval – DIN EN834 standards (Nov 1994) DIN EN 13757-4**

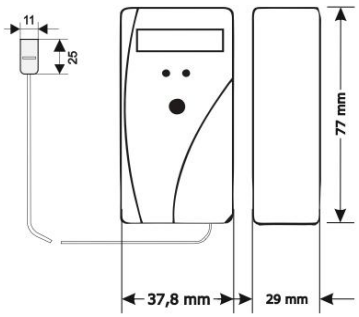
- ❑ Electronic allocator for central heating systems
- ❑ Divide expenses in proportion to each individual user
- ❑ Can be used in conjunction with thermostatic valve (which allows the adjustment of the room temperature where it is installed) for achieve maximum energy savings
- ❑ RCR Model CP-LCD display (7 digits ½) stand-alone
- ❑ RCR-SD model with LCD display (7 digits ½) with probe
- ❑ detecting ambient temperature at a distance
- ❑ Communication interfaces:
  - wireless M-Bus or radio integrated S1 or T1 mode (standard), 868Mhz frequency (DIN EN 13757-4), data encryption AES128-5 bits
  - optical for configuration and reading data by head infrared optics 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 10 years + 2
- ❑ Data measuring frequency: 4 minutes
- ❑ Constant monitoring of memory, battery, sensor temperature, software reboot
- ❑ Available different package for installation on different types of radiators (fin, to elements, tubular, plate, aluminum and existing convectors

Technical data	
Controlling processor	8 bit controller
Operating temperature limits T min … T max	RCR-CP: 35 °C … 95 °C RCR-SD: 35 °C … 105 °C
Operating temperature range	0 °C … +55 °C
Storage temperature range	-25 °C … +55 °C (max. 70 °C, short-term)
Temperature sensor type	2 sensors NTC
Scale	• Unity (fixed) • Product (variable)
Radiator normalised power	Up to 10.000W with product scale
Memory consuption values	Last 18 months
Error indication	• Service menu • Check number
Data reading	• Direct on LCD • Optical interface • Wireless
RF interface	W-Mbus S1 / T1 (standard) According to DIN EN13757-4-OMS
Trasmission power	<13dBm
Self-test	Sabotage, sensors, operating time, reset, data
Protection grade	IP 41

RCR-CP



RCR-SD



G. GIOANOLA SISMA meters
Str. Alessandria 50 - 14049 NIZZA MONF.TO (AT) ITALY - Tel. +39.0141.793536 - Fax +39.0141.702757 - E-mail: info@gioanola.it – http://www.gioanola.it