Make It Easy

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JOYMETER

JOYH100

Heat Cost Allocator

Joy Technology Co., Ltd

JOYH100 Heat Cost Allocator

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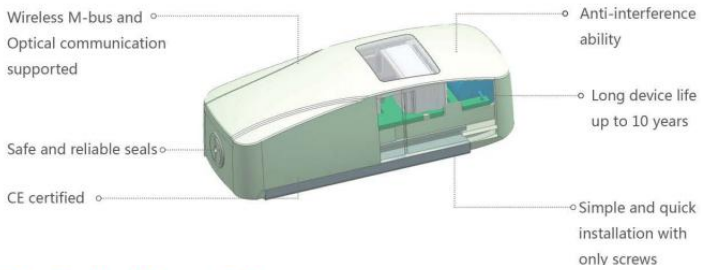
DESCRIPTION

JOYH100 Heat Cost Allocator is equipment that can be used to measure the heat in the one-pipe system where heat meter cannot work. It is attached to individual radiators in buildings for measuring the total heat output. Two electronic temperature sensors and a microcontroller are used to calculate the heat consumption or radiator by measuring the temperature of radiator and room air.

It saves different data and values automatically and display specified items on LCD，such as the cumulative value of a year, the current value, or events if it happens.

FEATURES

- Integrated or split optional
- Low battery warning, open cover warning
- Conform to OMS
- Wireless and optical communication optional
- Low consumption: less than 1.0uA at sleep mode
- Automatic diagnosis of malfunction includes sensors fault, memory fault, etc.
- Long history data stored
- Configurable parameters
- Suitable for residence and commercial buildings



Applicable radiators

•Ribbed radiator
•Tubular radiator
•Panel-type radiators with horizontal and vertical water flow

TECHNICAL SPECIFICATIONS

Item		Parameter
Measurement mode		2 temperature sensors
Power supply		3.0V lithium battery
Lifespan		Over 10years
Display		LCD
Indication range		5 digits data display(0-99999)
Temperature sensor measuring range		0~105 ℃
(*)average design temperature		Tm-max:95 ℃ Tm-min: 35 ℃ (2-sensor system)
Start temperature (Δ T)		5 ℃
Data storage		2 years, 48 half months
IP protection		IP42(EN60529)
CE Certification		Directive 2004/108/EC（Electromagnetic Compatibility）
Mounting dimension		100*40*32mm
HCA Standard		BS EN 834
Communication		IrDA, wMBus
wMBus transmission	Standard	EN13757
	Distance	＞500m (sight distance)
	Transmission Period	128s (10s to 15min Configurable)
	Frequency	868MHz
Working temperature		5~55℃
Storage temperature		-40℃ ~+70℃