Make It Easy

JOYMETER

JOYH100
Heat Cost Allocator
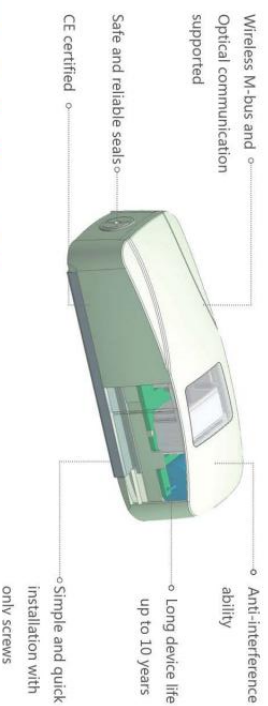
Heat Cost Allocator

JOYH100
868MHz

9134 9989

IRDA

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

- Wireless M-bus and Optical communication supported
- CE certified
- Safe and reliable seals
- Anti-interference ability
- Long device life up to 10 years
- Simple and quick installation with only screws

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 (ΔT)			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
	Standard		EN13757
wMBus transmission	Distance		>500m (sight distance)
	Transmission Period		128s (10s to 15min Configurable)
	Frequency		868MHz
Working temperature			5~55℃
Storage temperature			-40℃ ~+70℃