



Make It Easy



JOYH100
Heat Cost Allocator

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.

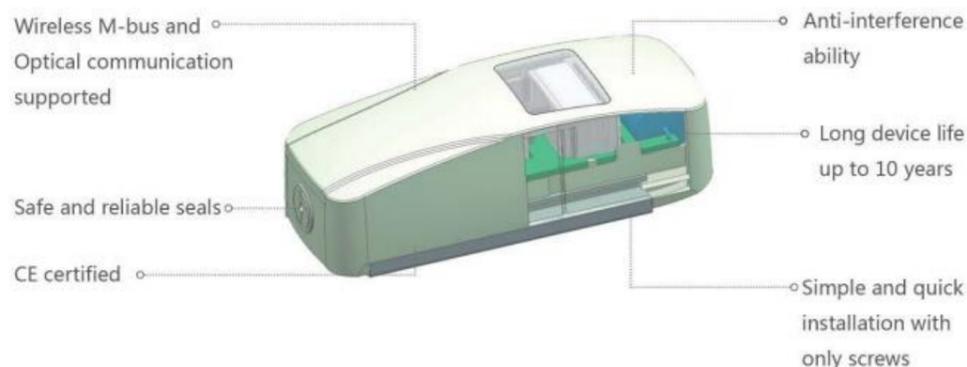
FEATURES

- ▶ Integrated or split optional
- ▶ Long history data stored
- ▶ Low battery warning, open cover warning
- ▶ Configurable parameters
- ▶ OMS certified
- ▶ Suitable for residence and commercial buildings

Wireless and optical communication optional

Low consumption: less than 1.0uA at sleep mode

Automatic diagnosis of malfunction includes sensors fault, memory fault, etc.



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 °C	
(*)average design temperature	Tm-max:95 °C Tm-min: 35 °C (2-sensor system)	
Start temperature	5 °C(configurable)	
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°C	
Storage temperature	-40°C ~ +70°C	