A08
ZigBee Wireless Smart Auto Control Power Meter Actuator

ZigBee
Control your world

HA Profile Compliant

CE FC

Features & Benefits

■ Wide range of application due to its operating voltage and maximum power

■ Wireless activation by Gateway coordinator to trigger devices such as fans, heaters, irrigation systems etc.

■ Certification meeting all required safety regulations

■ Interoperable with SentrolCloud and G07 series Gateway coordinator for complete automation

■ Measure and report power consumption of triggered devices, so users can manage the energy consumption and proactively plan for saving energy
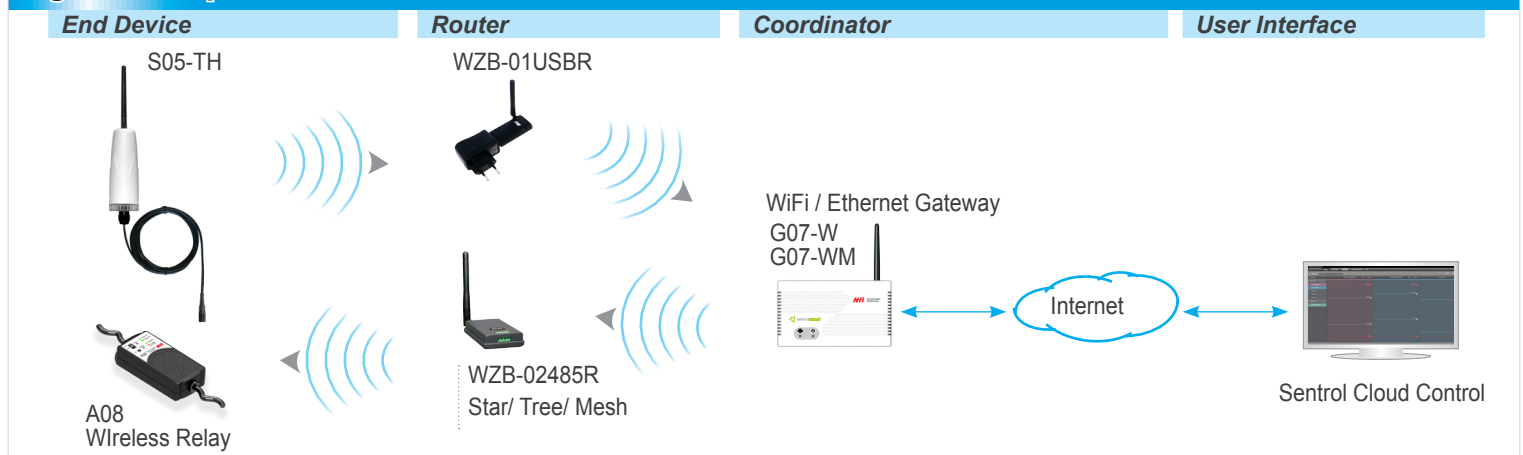
■ Wireless data transmission: 300 m

Product description:

The A08 - Power Meter Actuator is the piece in NHR's complete control solution, when wirelessly connected to the G07 Gateway coordinator and an appropriate ZigBee sensor/ end device. Based upon the data from the sensors and the user's profile settings which include buffer and optimum zones, the A08 will automatically power on and off devices such as fans, heaters, irrigation systems or any other device the user can connect whilst also measuring and reporting on power consumption, thus giving the user control over energy expenditure.

Specifications

Aggregator Network	ZigBee Home Automation	Weight	Euro type adaptor: 400g USA type adaptor: 330g
Wireless Protocol	IEEE 802.15.4 Zigbee2007/PRO HA Profile	Operating System	Windows 95 ~ Win 8
Transmission Range	300m/ 984ft (Free space)	Certifications	CE, FCC
Operating Frequency	2.4GHz ISM Band	Parameter	PAN ID, RF Channel Configurable
RF Output Power	18dBm	Sensor Items	V - Instantaneous Voltage I - Instantaneous Current P - Instantaneous Power PF - Power Factor
Receiver Sensitivity	-92dBm		
Power Consumption	250mA		
Network Topology	Star/ Tree/ Mesh		
Power Supply	AC 90~250V@16A 50/ 60Hz 4000W	Memory & Zero Data Loss Data Logging Function	256Kb flash memory stores data if connection to cloud database is lost
Operating Environment	-20°C ~ +70°C/ -4°F ~ 158°F		
Dimensions	150(L) x 64(W) x 35(H) mm + Input/ output power cord 400mm		

ZigBee Complete Solution

End Device	Router	Coordinator	User Interface

S05-TH

WZB-01USBR

WZB-02485R
Star/ Tree/ Mesh

A08
WIreless Relay

WiFi / Ethernet Gateway
G07-W
G07-WM

Internet

Sentrol Cloud Control

Product Range & Accessories

Solution	Model No.	Description	Solution	Model No.	Description
End Device	S05-TH	Wireless Temperature and humidity sensor	Gateway	G07-W	ZigBee to WiFi / Ethernet Gateway
Relay Router	A08	Wireless Power Meter Actuator	Gateway	G07-WM	ZigBee to 3G / GPRS Gateway
Router	WZB-01USBR	DC 5V Adaptor	Cloud	Sentrol Cloud	Sensor control cloud service
Router	WZB-02485R	DC 6 ~ 24V by terminal block			