S05-R
ZigBee Wireless Router

ZigBee®
Control your world
HA Profile Compliant

CE FC

Features & Benefits

■ Simple, secure, and cost-effective solution for transmitting data from NHR devices that are too far away from the receiver or whose signal is blocked by an obstruction or interferences

■ Automatically determines the best path to deliver node data back to the receiver

■ Improves the reliability and redundancy of data node networks

■ 300m/ 984ft wireless transmission range

■ Fitted with UV protection and IP66 Water and dust proofing to protect against the elements
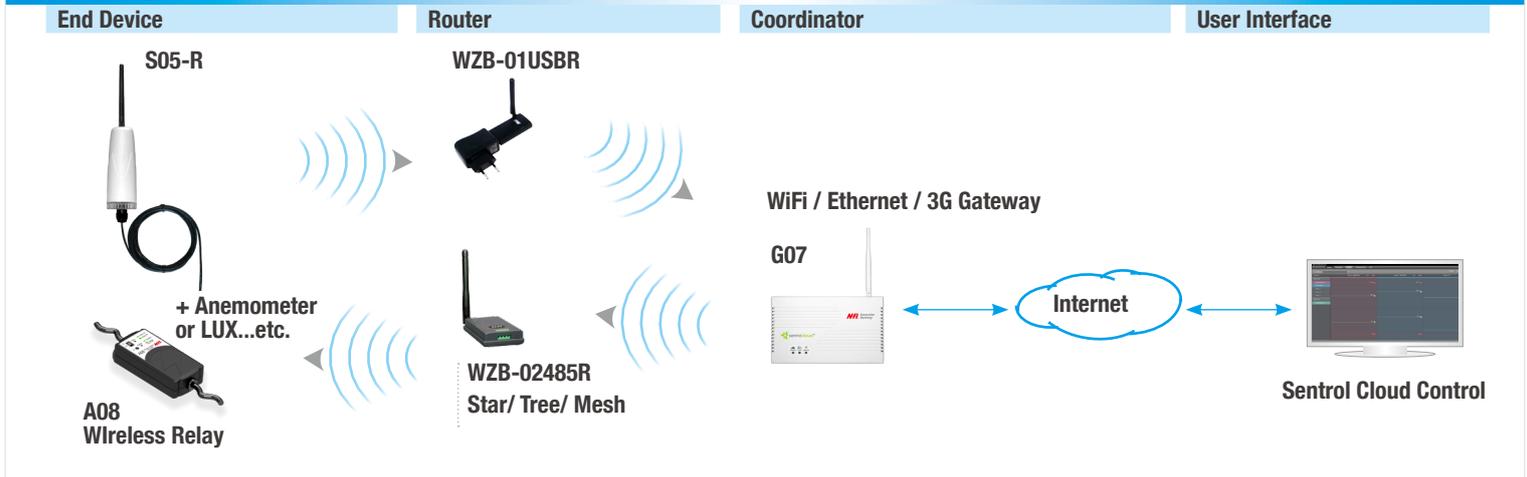
Product description :
S05-R router is a signal and network extender used to create or expand wireless ZigBee network, which allowing seamless communication between ZigBee enabled devices. Simply plugs S05-R router into a standard power outlet for quick and easy deployment. Once set up, the unit acts as a routing node that providing users with expanded network range and adding redundancy to a mesh network.

Specifications

Transmitting Protocol	Modbus RTU/ ZigBee: HA profile		Network Topology	Star/ Tree/ Mesh
Wireless Protocol	IEEE 802.15.4, ZigBee2007/PRO		Power Supply	DC 5V
Transmission Range	Up to 300 meters/ 984 feet		Operating Environment	-10°C ~ 50°C / 14°F ~121°F, 0-95% RH
Operating Frequency	2.4 GHz ISM Band		Dimensions	13(H) x 5(ψ) cm 5.1(H) x 1.9(ψ) inches
RF Output Power	18 dBm			
Receiver Sensitivity	-92 dBm		Weight	130.8 g / 4.61 oz
Waterproof level	IP66		Certifications	CE/ FCC
Power Consumption	0.3W			

ZigBee Complete Solution

End Device	Router	Coordinator	User Interface

S05-R

WZB-01USBR

+ Anemometer or LUX...etc.

A08
WIreless Relay

WZB-02485R
Star/ Tree/ Mesh

WiFi / Ethernet / 3G Gateway

G07

Internet

Sentrol Cloud Control

Product Range & Accessories

Solution	Model No.	Description		Router	WZB-02485R	DC 6 ~ 24V by terminal block
End Device	S05-R	Wireless Analog Input 4~20mA transmitter		Gateway	G07	ZigBee Gateway Base Station
Relay Router	A08	Wireless Power Meter Actuator		Cloud	Sentrol Cloud	Sensor control cloud service
Router	WZB-01USBR	DC 5V Adapter				