ZGB203

WIRELESS RECEIVER
WITH RS485/MODBUS RTU

INTRODUCTION

The ZGB203 wireless receiver with RS485/MODBUS RTU receives the transmitted signals from ZGE201, ZGE202, ZGE203, ZGE204 transmitters & ZGB202 router. The ZGB203 acts as a MODBUS slave. This allows the data received to be accessed by any MODBUS master, eg a SCADA software on a PC, or a PLC.

FEATURES

- With RS485/MODBUS RTU
- Receives signals from ZGE201, ZGE202, ZGE203, ZGE204 transmitter & ZGB202 repeater
- Upto 25 channel data can be received
- Adjustable baudrate for RS485/MODBUS RTU

ORDERING INFORMATION

Wireless Receiver with RS485/MODBUS RTU
Model : ZGB203

Order Code	2596

SPECIFICATIONS

All specifications at ambient of 25 °C, unless specified otherwise

POWER	
Supply voltage	100~240 V AC for Adaptor ACA-203 (ACA-203 included)
RS485/MODBUS RTU	
Baud rate (bps)	9600, 19200, 38400, 57600, 115200
Stop bit	1, 2
Parity	None, Odd, Even
RF (WIRELESS) COMMUNICATION	
Maximum number of transmitters per receiver	25 (20 directly, 5 through repeater) (one receiver directly supports 20 transmitters. For every additional 20 (or less) transmitters, one repeater has to be added to the network.)
RF frequency transceiver carrier	ISM 2.4GHz, direct sequence spread spectrum
RF output power	10dBm (1mW)
Range of RF communication	Up to 1 km outdoor line of sight Up to 40 m indoor / urban
RF data packet standard	IEEE 802.15.4, open communication architecture
MECHANICAL	
Enclosure	Metal
Dimensions (in mm)	90(L) x 90(W) x 20(H) (without antenna) See Fig 4
Mounting	Surface
ENVIRONMENTAL CONDITIONS (ELECTRONICS)	
Operating ambient temperature	0 °C to 50 °C
Relative humidity	0~95%, non-condensing

WIRELESS RECEIVER

WITH RS485/MODBUS RTU

APPLICATION

HOST PC RUNNING SCADA

SERIAL TO ETHERNET CONVERTER WITH PoE

RS485

ZONE 1

ZONE 2

ZONE 3