

ZigBee Wireless Controller

The WZ_CONTROLLER3X2 is used to control and monitor devices in a building's environmental system. The WZ_CONTROLLER3X2 connects to a central station over a ZigBee wireless network and forms part of a larger control system.

The WZ_CONTROLLER3X2 features three outputs and two inputs. The outputs allow for remote control of fans, relays, rooftop HVAC unit or any other device that accepts a 24V control input. Devices that don't have a 24V input can still be controlled with the addition of a relay. There are also two inputs for receiving signals from the device under control and sending that information back to the central controller.

The WZ_CONTROLLER3X2 also acts as a router in the ZigBee mesh network. It passes data it receives on to the next device in the network, thereby extending the network over large distances.



Benefits

- Remote control and monitoring of a building's environmental devices (heating, cooling, etc.)
- Inexpensive installation, no additional wiring required.
- Extends the local Zigbee network.

Features

- **ZigBee Radio** - connects to a central controller through a wireless, self healing mesh network.
- **Programmable** - simple yet powerful programming language for creating complex heating/cooling algorithms.
- **Simple installation** - doesn't require additional control lines.
- **Warranty** - 3 years.

Specifications

Operating Characteristics

Operating Voltage	Max Current Draw	Frequency
24VAC	200mA	50~60Hz

Output Characteristics

Outputs	Max Load	Voltage
3 Digital relay outputs	1A	24VAC/30VDC

Input Characteristics

Inputs	Max Current	Voltage
2 Universal inputs	20mA	0-10 VDC

Communication Ports

Type	Connection	Baud Rate/Frequency	Max Distance
RS232	3 Pin	9.6Kbps	15m
ZigBee	Wireless	2.4GHz	25m