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zPoint Products

WYEZRC01 Remote Control

Description

The zPoint Products Remote Control consists of one pcb installed in a Pactec PPL-2AA enclosure. The plastic enclosure has a flame rating of ABS-94HB. The enclosure house 2 AA batteries to power the pcb inside. The enclosure measures 4.35"H x 2.74"W x 1.1"D

Function

The Remote Control is one component of a minimum three component Zigbee wireless control system. The Remote Control sends zigbee commands to another zigbee device, such as the zRY01 switched outlet.

Operation

The Remote Control is located in the vicinity of the zCO01 Coordinator and one or more zRY01 switched outlets. The Remote Control is used to send commands to remote devices such as the zRY01 switched outlet, to set the output power on and off. The Remote Control receives status information and displays that on the Leds.

Clocks and Oscillators

The Zigbee RF radio block uses a 14mhz crystal connected to the JN5121 microprocessor/radio IC to clock the logic and radio circuits. No other clocks or oscillators are used.

Power Requirements:

2 x AA Batteries

Operating Radio frequency:

Channel 11 2.405 ghz to Channel 26 2.480 ghz

Transmitted power:

0dBm

receive Sensitivity

-90dBm

Block Diagram

zRC01 Remote Control

