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zPoint Products
WYEZCO01 Coordinator
Operational Description

Description

The WYEZCO01 Coordinator consists of two printed circuit boards in an enclosure. The "Main pcb" is the Zigbee RF radio and microprocessor. The Power Supply pcb converts the 120VAC line voltage to 5vdc for the Main pcb.

Operation

The zCO01 Coordinator is used in conjunction with two other zigbee devices: the zRC01 Remote Control and the zRY01 switched outlet. The zCO01 provides zigbee addresses to the other devices in the zigbee network. The zRC01 Remote Control unit is used to send RF commands to the zRY01 switched outlet unit, to control power to appliances.

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:	Radio portion - 120VAC at less than 50ma
Operating Radio frequency:	Channel 11 2.405 ghz to Channel 26 2.480 ghz
Transmitted power:	0dBm
Receive Sensitivity:	-90dBm

Block Diagram

