

Intermatic Outdoor PIR Sensor Receiver Description

Description:

Model ML815TK is a receiver of the power control PCBA. First, we need to connect to the AC input voltage and output loading. Power is supplied to the receiving and control through a 5 Volt regulator Q2.

On the receiver board. Transistor Q1 is the front amplifier to amplify the signal receiver from the antenna. Transistor Q2 is the super-regenerative receiving stage. OP-amp IC1 is configured as the detector.

Finally, Micro-controller NT1 will decode the receive signal and then control the Q1 to turn ON/OFF of the relay K1.