

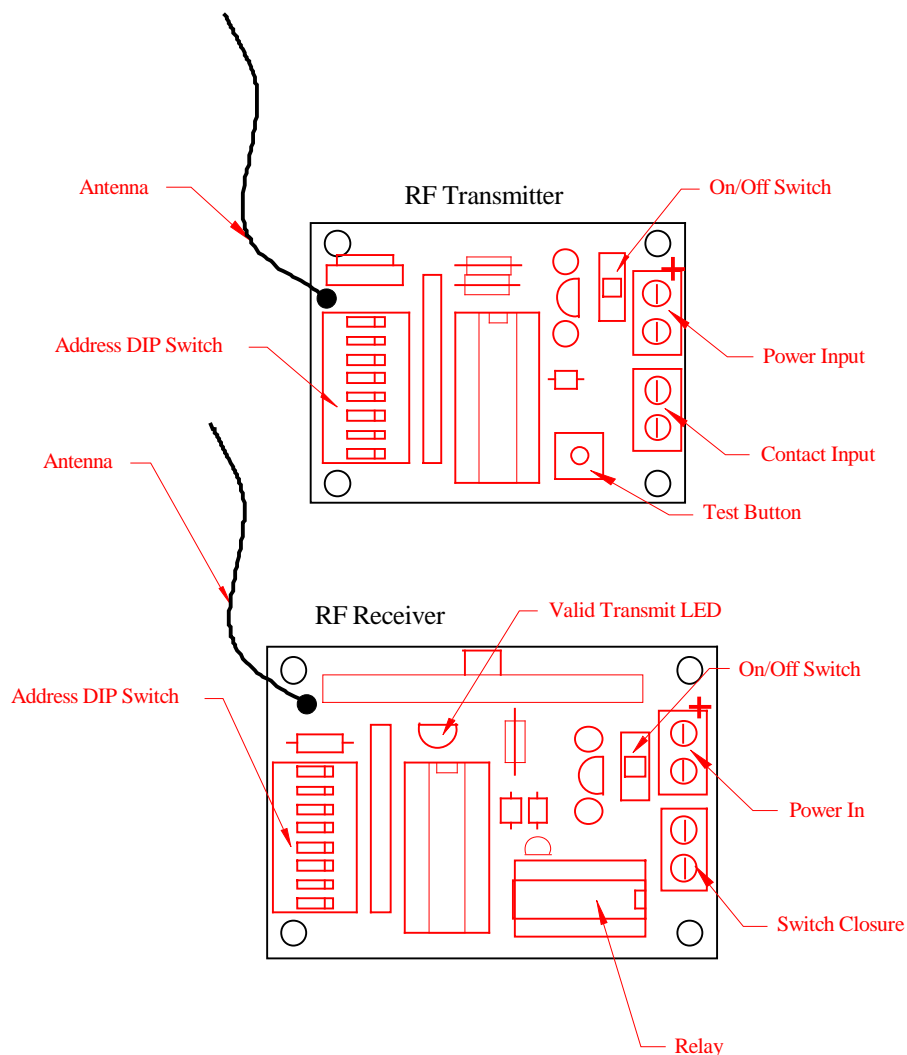


The boards draw very little power while waiting for communication. There is a 6" antenna wire that should be exposed for maximum distance. It can be looped and stuffed away for short distances. On the receiver, there is a small relay that provides the contact closure for the device to be triggered. This relay can handle up to 500 mA if you want to pass DC voltage through it to power something (like a low wattage light bulb). This relay is only activated as long as the transmitter sends its signal (as indicated by the LED on the receiver board).

**NOTE:** A version of the transmitter that is triggered by a contact opening (as opposed to closing, as mentioned above) is available. Some PIR devices have normally closed contacts that open when the PIR is triggered. This new version will work with these PIRs.

### Board Layout:

Below is a diagram showing component placement.



### Specifications:

- Input Power: 7.5 – 24 VDC
- Board Dimensions: 2.0 x 1.5 inches (Transmitter)  
2.4 x 1.7 inches (Receiver)

**Disclaimer:**

These boards are designed for educational use only. In no circumstances should these circuit boards be used in critical situations where failure could mean injury or property damage.

Please check out the other circuit boards offer at [www.BPEsolutions.com](http://www.BPEsolutions.com).

Examples:

- Custom Controller Application Boards
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- Voltage Amplifier Board
- Sensors / Trigger Boards
- Sound Control Boards
- Motor Control Boards
- Programmable Relays
- Programmable Servos

For more information, contact us at:

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