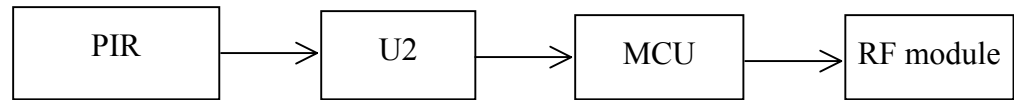


Operational description for Motion sensor with RF transmitter

1. Block Diagram



Step:

- 1) The IR motion signal picked up by the PIR (PIR1) is amplified by the U2.
- 2) The U2 converts the IR motion signal to a DC level and couples to MCU.
- 3) Here, MCU shall send the data with codes out to the RF module.

2. Specification:

- 1) In dark/dusk conditions, MCU shall drives the lamp on if PIR picks up an IR motion signal and send data out.
- 2) In day conditions, only data shall be sent out.
- 3) RF module can be operated with 100 feet in open field.