

Dual LED Magnetic Detector

M800MGL

Door/Window Sensor



Operational Description

The M800MGL is a unique compact design magnet detector, with long range and ease of installation. It features:

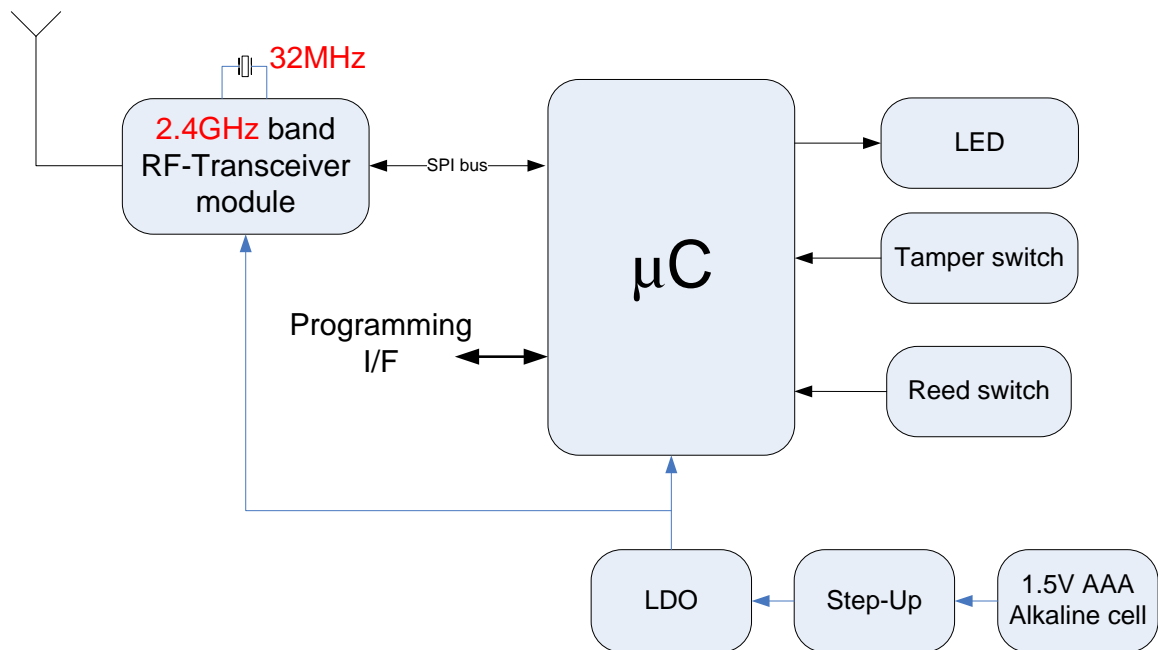
- Dual LED (green/red) for open/close status indication
- Consists of two parts:
 - A lightweight detector
 - A magnet
- Requires only one (1) AA-size alkaline battery
- With regards to communications:
 - Up to 500m RF range (open air)
 - ECOP bi-directional radio protocol (onboard)
 - Modulation and Frequency: DSSS , 2.4 GHz
- With regards to security:
 - Tamper Alarm – when detached from surface
 - Data Security: 128bit AES encryption
 - Unique electronic serial number
 - Supports automatic over-the-air software upgrade programming and configuration

Certifications and approvals:



For more information, go to: www.essence-grp.com/pages/WeR/Home

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Block Diagram Description

The AA battery provide power to the step-up + LDO pair. This produce the right regulated voltage needed by the entire circuit.

The main micro-controller gets data from reed switch sensor and tamper switch.

It interacts with the RF-transceiver chip.

The product have a single indication LED.