

BLUEFISH Operational Description

The BLUEFISH is a door sensor which can also be connected to a larger EMS(energy management system) for buildings. The BLUEFISH can be associated with a room thermostat via ZIGBEE RF communication. 3VDC power is provided to the BLUEFISH by a lithium ion battery. Communication is by Zigbee spread spectrum.

The BLUEFISH is permanently mounted on a door in a conditioned space. The BLUEFISH transmits a signal whenever its associated magnet opens or closes its reed switch.

The antenna used on the BLUEFISH is a chip antenna.

- RF data rate: 250 Kbps
- Interface data rate: Up to 115.2 Kbps
- Operating frequency: 2.4 GHz
- Receiver sensitivity: -92 dBm
- DSSS (Direct Sequence Spread Spectrum)
- Operating Frequency: ISM 2.4 GHz