



Magnet Contact Sensor - EMCSA (OEM)

Product Overview

Features

EMCS is an energy-harvesting wireless magnet contact sensor for EnOcean systems. Powered by a solar cell, EMCS works absolutely maintenance-free. An integrated energy store allows operation for several days in total darkness. In dark surroundings, a coin cell battery can be retrofitted. The small housing is easy to be mount on windows, on doorframes or on cabinets using the included double-sided adhesive pad or using the also included mounting plate. The ultra-slim magnet has a preassembled adhesive pad. EMCS supervises an integrated reed contact and reports every status change immediately (open<>closed). In addition, a sign of life signal is send at regular intervals. EMCS provides the option to use Enhanced Security mode with encrypted communication and Rolling Code.



Specifications

Input

Indoor light energy harvesting
 Optional battery (CR1225 not included)
 Charge time to full: 25 hrs @ 200 lux
 Sustaining charge time: 3 hours per 24 hours @ 200 lux
 RF Frequency: EnOcean, 868 MHz
 PIR range : 34ft. (10m) diameter (refer to coverage diagrams)

Operational Lifetime

Infrequent Bright Light: 20 yrs (with 200 lux for 2 hrs/day, 7 days/week)
 Consistent Low Light: 15 yrs (with 65 lux for 5 hrs/day, 7 days/week)
 Battery Life: 5 yrs

Mechanical

ABS or PC, White
 Dimensions: 79 x 23.8 x 18.6 mm
 Weight 4.4 oz. (125 g)

Environmental

-20...+60°C (1), 0...93% r.h., non-condensing, IP 40, indoor use only

Part Number

IST-SENS-ENO-MAG

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Wireless Magnet Contact Sensor

Version:
1.0