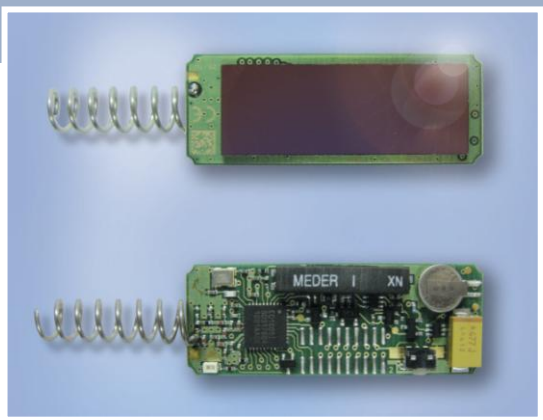
DATA SHEET

Magnet Contact Transmitter Module STM 320 / STM 320C



The radio transmitter module STM 320 from EnOcean enables the implementation of a wireless magnet contact sensor. Powered by a solar cell, it works absolutely maintenance-free. An integrated energy store allows operation for several days even in total darkness.

Key applications are window and door sensors.

Functional Principle

The STM 320 supervises an integrated reed contact and reports every status change immediately (open<>closed). In addition a sign of life signal is transmitted every 20-30 minutes.

There are two frequency variants – STM 320 in 868 MHz and STM 320C in 315 MHz.

Type	Ordering Code
STM320	S3001-D320
STM320C	S3031-D320

Features Overview

Power supply	provided by a small solar cell
Antenna	pre-installed helical antenna
Frequency	868.3 MHz (STM 320) / 315.0 MHz (STM 320C)
Radiated output power	STM 320: typ. 5dBm (EIRP) STM 320C: typ. 92dBµV/m
Data rate / Modulation type	125 kbps / ASK
EnOcean Equipment Profile	D5-00-01
Start-up time with empty energy storage	typ. <2.5 min @ 400 lux, 25°C
Initial operation time in darkness @25°C[1]	typ. 6 days, if energy storage fully charged
Reed contact	1x internal, Meder MK23-90-BV14496 or MK01-I
Teach-in button	1x internal
Transmission indicator	1x LED
Module dimensions	43 x 16 x 6 mm
Operating temperature[1]	-20 up to +60 °C

[1] Full performance is achieved after several days of operation (up to two weeks) at good illumination level. Performance degrades over life time, especially if energy storage is exposed to higher temperatures. Each 10 K drop in temperature doubles the expected life span.