

Energy Harvesting EnOcean® Switch Module



The ZF 2 way radio switch module is designed for use in wireless switches and remote controls without batteries. It can be used e.g. in building technology for light and shutter control or in industrial automation. The wireless switch module enables radio communication with EnOcean® receivers and operates via radio according to the EnOcean® Alliance Radio Standard ERP1.

By using an electrodynamic energy generator, the radio switching module is virtually maintenance-free and has no standby losses. The radio switching module can be installed in many commercially available frames and panels with single rocker or double rocker and is ready for immediate use.

Switch module– Features

- Flexibility in application design and easy to install – no cables necessary
- Long lifetime (100,000 switching cycles) and no batteries – maintenance-free
- Suitable for all Energy Harvesting switch series
- Completely compatible with existing EnOcean® RF-Systems
- ZF as member of the EnOcean® Alliance enables customer specific RF solutions



Technical data

Series	EnOcean Switch Module
Dimensions	40 x 40 x 11.2 mm
Frequency bands	868 MHz (EU/Asia) / 915 MHz (US) on request
RF protocol	EnOcean® Alliance Radio Standard ERP1 (ISO/IEC 14543-3-10)
RF distance	Up to 30m (in buildings at 0dBm)
Certification	EnOcean® 3.0, Certified Platform 3.0
Power supply	Self-powered
Actuation force	Typ. 11N
Device identification	Individual 32 bit ID
Data packages	Typ. 10 telegrams per push and release
EnOcean Equipment Profiles	TX-EEP F6-01-01, F6-02-01, F6-02-02, F6-02-03, F6-04-01, D2-03-00
Security	Rolling code with AES128 on request
Configuration	Pairing over market available EnOcean® receivers, NFC on request
Operating temperature	-20°C up to +65°C