

PTM 202
 Toggle Switch Transmitter Module

The toggle switch transmitter module PTM 202 enables the setup of intuitive and easy to use self-powered switches. The module is powered by an electro-dynamic generator and therefore maintenance-free.

PTM 202 is designed for single rocker applications like toggle switches, central on/off or retrofit switches. It can be combined with existing PTM 215 housing/frame designs (55 mm).

Functional Principle

The electro-dynamic energy transducer is actuated by a bow, which will be pushed from the upper housing of the switch module. PTM 202 has two stable switch positions (O & I).

When the switch module is pushed, electrical energy is generated and a specific radio telegram is transmitted for each position according to the EnOcean Alliance Switch Profile F6-02-xx.



Type
PTM 202

Ordering Code
S3001-A202 (868 MHz)

Features overview

Power supply	power generation by rocker movement via electro-dynamic power generator
Antenna	integrated PCB antenna
Frequency / typ. range	868.300 MHz / 300 m free field / 30 m indoor
Data rate	125 kbps
Applications examples	toggle switch, central on/off & retrofit applications
EnOcean Equipment Profile	EEP F6-02-xx (RPS B0/B1 with energy bow pressed)
Energy bow travel/Operating force	typ. 3.2 mm / typ. 5 N (at room temperature)
Number of operations at 25°C	typ. 50.000 actuations tested according to EN 60669 / VDE 0632
Module dimensions (height at rotation axis)	40.0 x 40.0 x 11.2 mm
Operating temperature	0°C to + 40 °C
Storage temperature	-20°C to + 50 °C
Radio approval (RED)	max. radiated power -1.9 dBm