

## Transmitter Module PTM 535U

**PTM 535U transmitter module enables the realization of energy harvesting wireless switches or push buttons for EnOcean systems.**

**PTM 535U is designed to be supplied by EnOcean ECO 260 energy harvester.**

**ECO 260 can be mechanically connected to PTM 535U using two contact pairs or wired to the electrical interface of PTM 535U.**

Upon detection of an energy pulse from the ECO 260 harvester, PTM 535U will read the status of the following signals:

- Polarity of the energy pulse
- Status of on-board meander contacts
- Status of input signals

The status of these signals will be reported as EnOcean radio telegram.

PTM 535U supports both standard and enhanced security communication.



PTM 535U contains a placement option for a learn button (LRN) to send secure teach-in telegrams and to change the communication mode.

The security mode and the telegram content can be selected using six configuration interface signals.

### Order Information

TYPE

**PTM 535U**

ORDERING CODE

**S3051-A535**

### Features Overview

<b>Antenna</b>	50 Ohm whip antenna
<b>Radio Frequency</b>	902.875 MHz MHz
<b>Modulation</b>	FSK
<b>Bit Rate</b>	125 kbps
<b>Transmit Power (at antenna base / radiated)</b>	+4 dBm / <12500 uV/m
<b>Commissioning</b>	Learn Button (placement option on-board)
<b>Security</b>	AES-128 encryption and authentication
<b>Power Supply</b>	ECO 260 Kinetic Energy Harvester
<b>Harvester Interface</b>	2 pairs of contacts
<b>External Interface</b>	16 pins (solderable)
<b>On-board Interface</b>	2 meander contacts
<b>Module Dimensions</b>	26.2 +- 0.3 mm x 21.15 +-0.3 mm
<b>Operating Temperature</b>	-25°C ... 65°C
<b>Radio Certification</b>	FCC (US) / ISED (Canada)