

## Transmitter Module PTM 430J



**The radio transmitter module PTM 430J from EnOcean enables the implementation of wireless sensors and switches without batteries.**

PTM 430J has been optimized to work with the ECO 200 linear motion energy harvester. An external energy pulse of 120 – 210uWs powers the radio module to send EnOcean radio telegrams. PTM 430J transmits a unique module ID, the polarity of the energy pulse, and the operating status of 4 digital inputs. The repeated switch telegram content can be configured and permanently changed.

PTM 430J can be connected to ECO 200 via a contact spring. There are two meander structures on the PCB which allow usage of a rubber pad to set the level of two digital inputs.

Alternatively PTM 430J can be mounted as an SMD component onto a host PCB. In this case energy supply pins and digital input pins are accessible via contact pads.

PTM 430J has been certified for the Japanese market according to ARIB STD-T108.

Available packaging:  
Trays in card board box (whip antenna)

**Type**  
**PTM 430J**

**Ordering Code**  
**S3061-A430**

### Features overview

<b>Power supply</b>	ECO 200 or equivalent energy pulse
<b>Antenna</b>	pre-installed whip antenna
<b>Radio Regulations</b>	ARIB STD-T108
<b>Frequency</b>	928.350 MHz
<b>Transmission power</b>	typ. 0 dBm at antenna base
<b>Data rate / Modulation type</b>	125 kbps / FSK
<b>Telegram type</b>	RPS type 2 (EnOcean Radio Protocol 2)
<b>Digital inputs</b>	4
<b>Transmission range</b>	up to 200 m free field, up to 20 m indoor
<b>Module dimensions</b>	26.2 x 21.15 x 3.5 mm
<b>Operating temperature</b>	-25 up to +65 °C