

## **PTM 215Z EnOcean Push Button Transmitter Operational Description**

The EnOcean Push button transmitter PTM 215Z is an electro-dynamic energy transducer self powered device.

A common electro-dynamic energy transducer is actuated by a bow, which can be pushed from outside the device by an appropriate push button or switch rocker. The device is manually activated.

When the energy bow is pushed down, electrical energy is created and an RF telegram is transmitted according including a 32-bit device ID and pushed rocker identification. Releasing the energy bow generates different telegram data, so every PTM telegram contains the information that the bow was pressed or released.

The operating frequency is user selectable between channels 11, 15, 20 or 25 according to IEEE 802.15.4 standard in the 2.4GHz band.

The length of transmission is three pulses within 100ms, each being approximately 1ms long. Through manual operation radio transmissions of device are fully random.

For further details, please refer to the user manual.