Overview

The product NEMOVIBE/U is a sensor of vibration fixed to the awnings. When the wind move the awning, the NEMOVIBE/U send a transmission to control unit of tubular motor to wrap the awning.
the frequency of transmission is 433.92MHz and the transmission is send only if the sensor of vibration is activated. in normal condition the NEMOVIBE/U is in standby mode and not send any transmission.

Description of the product

All the transmitters

The circuit consists of:

- SB474 circuit (radio)
  The circuit consist of a transceiver U1 works like a transmitter; the signal taken form the microcontroller, passes through the filter, composed of passive components and reaches the Loop type aerial, engraved on a printed circuit, providing a guarantee of stability as regards its characteristics and, consequently, the complete lack of calibrations. The X1 is a 26MHz oscillator that guarantees the exact oscillation base frequency for the PLL-circuit build inside the transceiver.

- SB473 circuit (microcontroller)
  The signal of vibration sensor is processed into microcontroller U1. If the vibration is more than of a limit selected from trimmer, the microcontroller generate the impulse for radio circuit SB474.
  The code is generated by the integrated circuit U1 of PCB SB473 and consists of a train of 52 bit. See technical specification for details.