

## Overview

The Transmitter allows you to manage 1 group of automation with control of climate sensor. A group is formed by three different channels. By channel we mean a different code but not different frequency bands.

The P1SBD is the group of transmitters with climate sensors control but without slider function.

All models have the same circuit whereas the number of push buttons varies; the models with slider in addition has a connector to connect the slider circuit.

The P1SBD is equipped with 7 buttons.

They are powered by two 1.5V-alkaline battery AAA (included).

## Description of the product

The circuit consists of:

- The U2 transceiver which works like a transmitter; the signal taken from the TX-PIN (pin-4 of U2) passes through the filter, composed of passive components and reaches the Loop type aerial, engraved on a printed circuit, providing a guaranteed stability with regards its characteristics and, consequently, the complete lack of calibrations. The X1 is a 30MHz oscillator that guarantees the exact oscillation base frequency for the PLL-circuit build inside the transceiver.
- The code is generated by the integrated circuit U1 and consists of a train of pulses lasting 5.1ms; as the code is the "Rolling Code" type, it changes each time the push button on the remote control is pressed.