

## Overview

The Transmitter allows the management of a group of automation, with control of climate sensor. A group is formed by three different channels. By channel we mean a different code and not different frequency bands.

The W1SBD is the group of transmitters with climate sensors control.

The W1S BD is equipped with 7 buttons.

It is 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.