

Overview

It's a module that must be connected to the Nice modular system and add the "transmitting function" features to the central unit. This interface that allow you to manage and transmit to number of groups of automation (typically 8), and so command the movements of the motors.

The button is for install the device on the central unit. The LEDs are for the status or like interface to program the device.

This module is powered and communicate with the others modules (of the modular system) through the "Din bus" positioned on the back-side of the device.

Description of the product

All the transmitters

The circuit consists of:

- The U3 transceiver works like a transmitter; the signal taken form the TX-PIN (pin-4 of U3) passes through the filter, composed of passive components and reaches the $\lambda/4$ type aerial, providing a guarantee of stability as 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 U4 and consists of a train of 112 pulses lasting (2*8.8ms) followed by a pause of another 50ms; as the code is the "Rolling Code" type, it changes each time it has to transmit.
- The Antenna is a $\lambda/4$ antenna connected with a SMA connector.