

This device, a portable low-power transmitter, consists of an SAW RF oscillator at 433.92 MHz, power supply, and a microcontroller clocked by a 4 MHz internal signal.

The transmitter is normally off until any button is activated. Any button activation enables the microcontroller, which activates the RF oscillator. The microcontroller generates the data waveform (pulse width modulation, On/Off keying) for the RF oscillator.

When the activated button is released, the RF oscillator turns off. The difference between the buttons is in the data sent.

The RF antenna is printed circuit based and is not removable and not changeable.

Martec Access Products Inc.