

Operational Description – HT Transmitters (HT 390 and HT433)

The hand held transmitter is self contained, including the lithium batteries that power it for a number of years under normal use.

3 buttons are provided. Pressing a button activates the transmitter and sends a factory-coded address as an ASK-modulated RF signal. Activation of any of the 3 keys sends a series of repeated packets for a total of 2.1 seconds. Holding the button will not extend the transmission time.

An LED lights when transmission takes place.

Internally, as shown on the block diagram, a microprocessor is usually asleep. When any of the 3 buttons is pressed, it wakes up and sends a digital signal that represents the envelope of the signal to be transmitter. A single stage RF oscillator is modulated by the signal and sends 390 or 433.92 MHz signal for the duration of the modulation.

At the end of the transmission, the microprocessor goes back to sleep.

Designated Parking Corp
HT op descr.doc
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