

Technical specifications

Working temperature: from -5°C to +55°C

Power: CR2430 Lithium battery

“O-code/A”

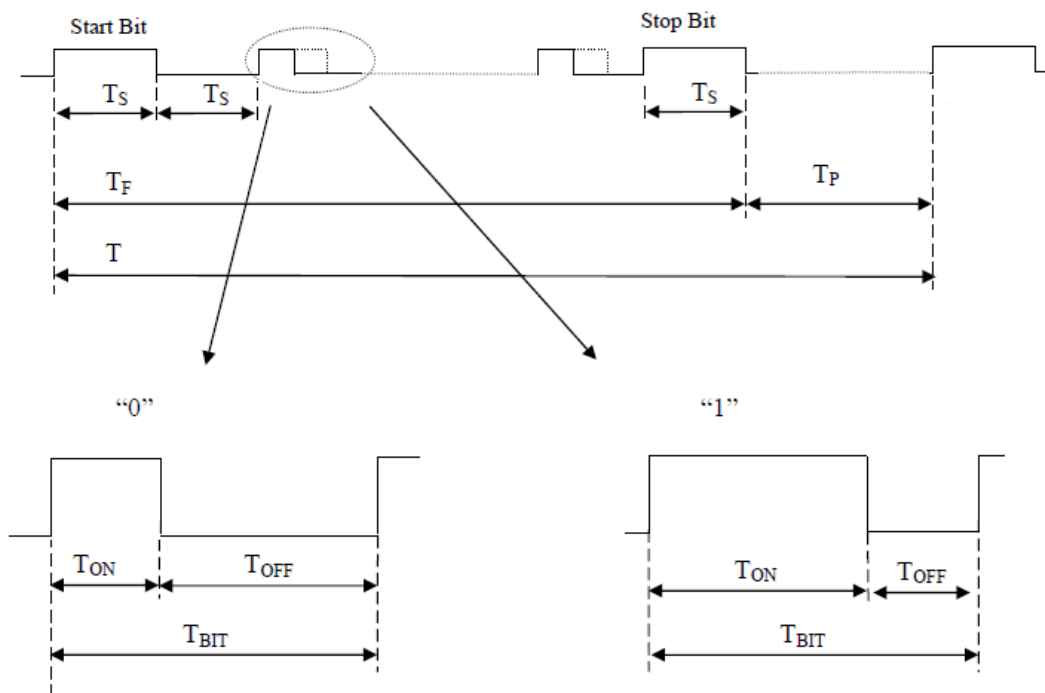
Radiated power (ERP): < 0 dBm

Center frequency: 433.92 MHz ± 100KHz

Modulation: AM-OOK wide band

Datarate: about 1Kbit/s

The code word is made up of several parts. Each code word contains a Start Bit (0.66ms+0.66ms), 72bit of data and a Stop Bit (0.66ms) followed by a guard period (50.5ms) before another code word can begin.



FRAME PERIOD: $T_F = 49.5$ ms

PAUSE: $T_P = 50.5$ ms

START BIT: 0.66ms + 0.66ms

SINGLE BIT: $T_{BIT} = 0.66$ ms

IMPULSE TYPE “0”: $T_{ON} = 0.22$ ms, $T_{OFF} = 0.44$ ms

IMPULSE TYPE “1”: $T_{ON} = 0.44$ ms, $T_{OFF} = 0.22$ ms

STOP BIT: 0.66 ms

$T_{ON} \text{ (worst case)} = 0.66 + 72 * 0.44 + 0.66 = 33\text{ms}$

$DC = T_{ON} / 100 \text{ ms} = 0,33$

20 LOG(DC) = - 9.62

Instructions Manual

For details, please read the annex IS0807A00MM