

EXHIBIT 2-1

CFS8DL5890PI-1

The 5890PI-1 PIR transmitter consists of a message encoding chip (U1) , a SAW - stabilized Colpits oscillator (Q2) , and PA stage (Q3). The message encoding chip is responsible for:

1. generating the zone alarm message
2. generating the tamper and supervision messages.
3. performing all watchdog functions.

When sending a message, the message encoder chip turns on the SAW oscillator (Q2) using Q1 to apply VCC , R7 and R8 bias Q2 on, SAW device Y1 sets the frequency, capacitors C10 and C11 set the feedback , R9 sets the current through the oscillator, and C13 couples the RF into the PA. The encoder chip then uses transistors Q4 - 5 to key the PA (Q3). This is on / off AM modulation (FCC Type 100KK1 modulation)C19 and L1 tune the PA, C15, RL27, suppress harmonics, and C17 / C18 tune the antenna to resonance.