

EXHIBIT 1

CFS8DL58450W

Functional Description.

The PIR transmitter is part of Ademco's wireless 5800 alarm system, it is battery powered by a single 3V Lithium cell. It is used in conjunction with fixed receivers and a security control system in burglary alarm applications.

The messages are transmitted at 345Mhz +/-82kHz using on-off keyed AM modulation.

The transmitter also sends a regular supervision or check-in message at a period no shorter than once per hour, which complies with Pt 15.231(a)(3).

EXHIBIT 2

Circuit Description.

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The complete PIR motion detector is constructed on a pair of PCBs interconnected via a header.

The main PCB contains only the PIR processing circuitry, the secondary PCB includes all RF transmitter circuitry.

The transmitter is a SAW resonator Colpitts oscillator, Q2, Y1 etc. The transmitter is on-off keyed (AM) modulated by a control signal from the ASIC U1 which turns PA Q3 on or off via Q5/Q5, thus modulating the output signal. The RF output signal is connected to a PCB mounted antenna ANT1, tuned via C17/C18.

U1 is an ASIC which generates the alarm and identification messages and controls timing etc. The alarm input from the PIR board is via header TB1.