

EXHIBIT 2

Circuit Description.

CFS8DL5808LP

The complete Smoke detector is constructed on a single PCB. There are four variants of the product, i.e., 5807L are the standard product, 5807LT includes thermal sensors on the main smoke detector PCB, 5807LS includes a sounder and 5807LST includes both the thermal sensors and sounder. The Radio Frequency circuitry is on the same PCB the smoke detector and sounder circuitry and is not effected by the addition of the thermal/sounder options.

The PCB contains only the Smoke alarm processing circuitry, RF transmitter circuitry, and the sounder.

The transmitter is a SAW resonator Colpitts oscillator, Q101, XL100 etc. The transmitter is on-off keyed (AM) modulated by a control signal from the micro-controller IC3 which turns PA Q102 on or off via Q103/Q104, thus modulating the output signal. The RF output signal is connected to a PCB integral antenna ANTENNA TRACE, tuned via C106. IC3 is a micro-controller which generates the alarm, identification messages and controls timing etc.

