

EXHIBIT I

Operational Description

Product Description

The product is a wireless Passive Infra-Red (PIR) motion detector used in conjunction with a wireless security alarm system. The motion detector monitors the environment for changes in infrared energy indicative of a person moving. If such a condition is detected, the unit will transmit an alarm message to the control panel. The panel, if it is in the armed state, will then sound its sirens, and call the monitoring station for help.

In the absence of any detected motion, the unit will transmit a supervisory signal every hour.

This product is the combination of a motion detector manufactured by Aritech, a division of SLC Technologies, and the transmitter manufactured by ITI. The ITI transmitter board connects to the motion detector board via a 4-pin header.

Through the 4-pin header, the motion detector supplies a logic level indicating whether or not motion has been detected. The ITI ASIC on the transmitter board monitors the logic level and initiates transmissions accordingly. Also, a tamper signal is supplied from the motion detector board through the 4-pin header. The ASIC is also responsive to this signal. The battery on the transmitter board supplies power to the motion detector through the remaining two pins of the 4-pin header.

The RF circuit consists of a 106.5 MHz oscillator followed by an amplifier. The amplifier is turned on and off to modulate the carrier.

04/07/00 6:37 PM	FCC ID: B4Z-779A-PIR	
E:\PROJECTS\SLC Projects\SLC_pir\APW450\OP_DESC.DOC		