

EXHIBIT 3

Technical Description

Para. 2.1033(b)(4)



Retlif Testing Laboratories

Test Report No. R-7612-1
FCC ID: ESV-0407-2

Technical Report 2.1033(b)(4)

Equipment Manufacturer

Detection Systems
130 Perinton Parkway
Fairport, NY 14450

FCC Identifier

ESV-0407-2

Operating Instructions

See Exhibit 5

Trade Name

Detection Systems

Model Number

RF3334/RF3332

Additional Model Numbers and Trade Names

Not Applicable



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GENERAL INFORMATION OF THE RF3334/RF3332 TRANSMITTER

RF3334/RF3332 are battery operated, hand-held four/two button RF transmitters. Both products can be used to send “system arm”, “system disarm” and “panic” command signals, plus two optional command signals of RF3334, to receiver(s) and repeater(s) in DS Residential Security System.

Both products have a carrier frequency of 304.00 MHz with SAW based RF oscillator. The RF power level and data format of each transmission comply with FCC/IC regulations on Intentional RF Radiators.

Frequency Control Devices Used:

1. One 4.0 MHz ceramic resonator used for the microcontroller’s oscillator.
2. One 304 MHz SAW resonator used for the oscillator of the RF Transmitter.

The transmitters are power off at idle state and their buttons are used as both power switches and function keys. The transmitters’ power is switched on by pressing any button which is also recognized by the microcontroller. The RF data of each button function is transmitted accordingly and the LED will flashing to indicate the transmission.

The RF circuit and PCB of RF3334 and RF3332 are identical. However, the RF3334 has two more optional mechanical housing buttons than the RF3332. The transmitters send multiple RF data bursts under the following conditions:

- A 4 packet “system arm” signal transmitted and the LED blinks whenever the arm button is pushed.
- 4 packet “system disarm” signal transmitted and the LED blinks whenever the disarm button is pushed.
- 8 packet “panic” signal transmitted and the LED blinks whenever the arm and disarm buttons are pushed at the same time.



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