

INTERTEK TESTING SERVICES

EXHIBIT 1

GENERAL DESCRIPTION

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1.0 **General Description**

1.1 Product Description

The equipment under test (EUT) is a transmitter of the remote control of PIR sensor alarm operating at 312 MHz. The EUT is powered by 12Vdc battery. The remote control unit has two keys. The keys is used to arm and disarm the main unit of PIR sensor system respectively. The transmitter is operated manually and automatically deactivate within 2 second of being released.

The brief circuit description is attached in the following page.

1.2 Related Submittal(s) Grants

This is a single application for certification of a transmitter. The FCC ID of the receiver associated with this transmitter is ELY547-49-329-R

Circuit Description

1. Remoter

Encoder and Code selector

U1 is the encoder and the code is selected by short the address pins of U1 to VDD or GND. The clock rate of encoder is determined by R7. When push button is pressed, U1 pin 6 will send-out the code to turn on and off Q1 and modulating the RF signal.

RF Oscillation

It is a L-C oscillation generated by Q1.