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Client: STI, Inc.
Model: ED-55
Standards: FCC 15.249/IC RSS-210
ID's: TXL-STI-ED55/6335A-STIED55
Report #: 2012241

Appendix J: Manual

Please see the following pages.

Important Notice

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement



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Install ED55, MAY2012

Installation and Operation Manual

Rex Plus® II - Model ED-55

The electronic watchdog that never sleeps!



Features

- Choose from three sound groups:
 - Dogs: Three different barking dog styles
 - Greetings: Double chime, single chime or bird chirp
 - Alerts: Siren or alarm
- Very realistic, recorded barking dog sounds
- Voice direction: warming up, armed, sound previews, low battery alert
- Senses movement through walls, doors and glass
- Variable distance sensitivity
- Variable volume control
- Temporary mute - convenient tap (dog head pat)
- LED shows armed status
- Battery operation for temporary outdoor use
- No installation necessary



**Safety Technology
International, Inc.**

"We Protect the Things that Protect You."

General Description

This new generation barking dog alarm features realistic sounds and voice operating status. Ferocious barking dogs, greetings or alarms are available. Rex Plus® II is versatile and provides an excellent way to deter burglars, without the annoying problems of owning a real dog. With his electronic radar eyes, Rex Plus® II can “see” through thick doors, walls and glass. Once the cord is plugged into any standard 120VAC outlet, he’ll stay on duty around the clock. Portable operation is available by installing the optional batteries.

Operational Instructions

1. Insert the adaptor plug into the bottom of the unit, and then plug the AC adaptor into outlet.
2. Move the power slide switch to ON. A voice will say “warming up” and the LED will flash. After a 30 second warm-up delay, the sensor is armed, the LED is on steady and the voice says “armed” Rex Plus® II is now ready for immediate use with the factory default settings.
3. Choose the sound by moving the sound group slide switch to the desired position; dog profile for dogs, bell for greetings and a shield for alarms. A voice will announce the switch setting with either “Dogs,” “Greetings” or “Sirens.” Within the sound group, various sounds can be selected by pushing the adjacent button, marked with circular arrows, to cycle through the sound selections, stopping on the desired sound. Each sound is previewed when pushing the button.
4. Adjust the volume control for the desired loudness.
5. Adjust the sensitivity for the desired detection range, maximum range fully clockwise, minimum fully counterclockwise. Use maximum range when going through greater obstructions such as thick brick walls and lower the sensitivity if nearby rear movement causes nuisance triggering.
6. Point the front of the unit (wider face) towards the detection area, generally toward outside a dwelling through a wall or door. Note: The unit has reduced sensitivity out the rear of the unit (narrow surface) to reduce undesired detection from movement inside a dwelling.
7. Tap the top of the unit, if the lid is closed, or push the mute button to activate a 15 minute delay timer. While in the delay mode, the motion sensor is disarmed and the LED will flash. If muting while in a dog sound setting, the unit will growl when first disarmed. Use this mute feature to quiet the dog while leaving a dwelling, arming automatically after you have left. This feature can also be used to quiet a greeting when answering a door and a greeting sound is selected. Tapping the top of the unit again or pushing the mute button again will cause the unit to arm immediately. If the unit is operating on batteries and the batteries are low, a voice will say, “Please replace batteries,” after mute button is tapped.
8. If portable operation is desired, install 6 “C” size alkaline batteries. When using batteries, after arming and after no detection for 5 minutes, the LED changes to a low duty cycle blink to extend the battery life. The unit will automatically detect if the AC adaptor is also plugged in and operate from the AC adaptor to conserve battery life.



CAUTION:

Rex Plus® II is designed to detect a moving object though a wall or door in an area hidden from an intruder or guest. Generally, the unit will not bark at a moving object behind it, but it may in certain positions. In this case, try to change the position of Rex Plus® II slightly to reduce any unwanted detections. The sensitivity control can also be reduced to minimum to detect in the desired direction while reducing the undesired detections. Moving objects in addition to people can also be detected, including animals, trees and shrubs blowing in strong winds, vehicles and dwelling movements during strong storms. Rex Plus® II uses a 2.4GHz microwave radar detection system. It shares operation in a band of frequencies along with other electronic devices such as microwave ovens, Wi-Fi, wireless keyboards and other wireless controls. These can also cause undesirable false detections. Reducing the sensitivity and repositioning the unit to aim away from these sources can be helpful.

Detection Efficiency

Rex Plus® II radar waves can detect through a variety of materials with maximum efficiency. The following chart serves as a guide.

MATERIAL	EFFECT ON RANGE
Glass	Slight Reduction
Wooden Doors	Slight Reduction
Plaster/Drywall Walls	Medium Reduction
Metal (Steel doors, aluminum or steel siding)	Heavy Reduction
Curtain Material	Slight Reduction
Fiberglass or Plastic	Full Detection
Paper Cartons/Cardboard	Slight Reduction

SPECIFICATIONS

Power Requirements	120 VAC Plug-in Adapter, 12VDC 0.5A (supplied)
Battery (optional for portable operation)	6 Alkaline “C” batteries (not supplied)
Detector Operating Frequency	2.4 GHz
Power detecting standby	0.15W
Power Barking	6 W Peak
Battery Life	90 days maximum with alkaline batteries, depending on the number of activations
Detection Range	26 ft. maximum, reduced through obstructions
Detection Angle	150 degrees typical
External Output	3.5mm phone jack, mates with optional STI Lamp Controller STI-30104
Weight	2 lbs., including AC adaptor, without batteries
Size	8 ½ in. tall, 4 ½ in. wide, 5 ½ in. deep