

Product Summary

The PIR Model ITR601 is a wireless, indoor motion detector designed for use with Videofied security systems. The detector includes the following features:

- > Lithium battery for long life.
- > Standard coverage lens (26ft./8 m distance).
- > Dual tamper function provides detection for both wall and cover tamper.
- > Transmits check-in/status signal every 8 minutes.

Installation Guidelines

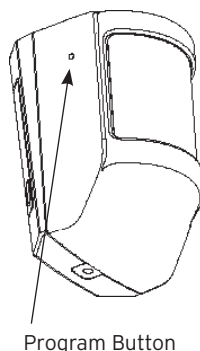
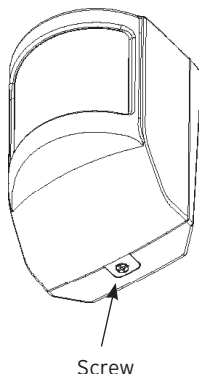
For easier installation, programming and RF testing should be done to check for good communication between the control panel and all system devices before mounting. Install the detector and other system devices in the order of the following steps:

- > Programming/RF Testing - program detector and all other devices into the control panel and test RF communication from each intended device location to the control panel.
- > Mounting - mount detector at the tested location.

Programming/RF Testing

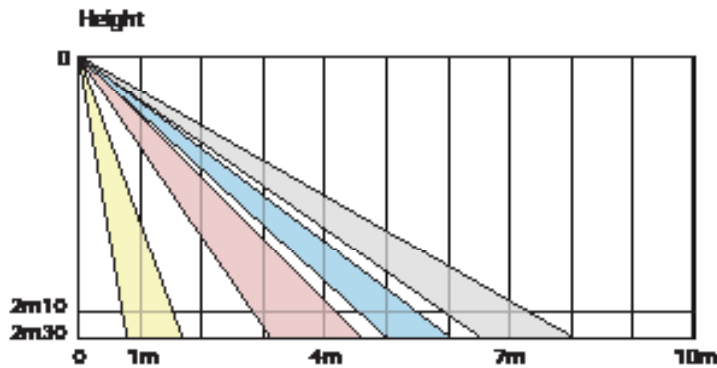
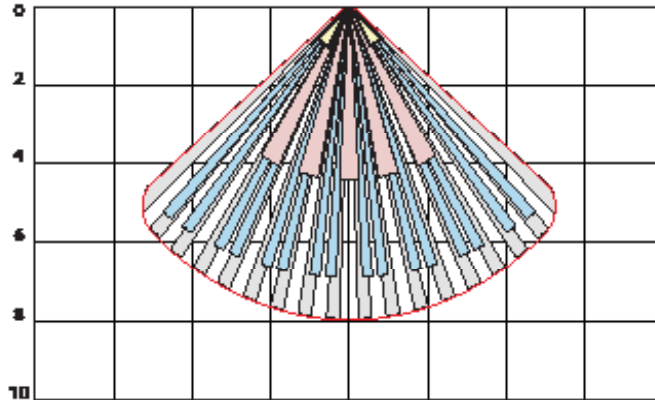
The following provides summarized steps for device programming and testing. For complete details, refer to the control panel installation manual.

- 1** Loosen bottom screw, separate base from detector and install battery.
- 2** Re-attach base to secure tamper switch.
- 3** Put control panel into programming/configuration mode.
- 4** Using a programmed alphanumeric keypad, proceed through menus until the display shows RECORDING DEVICES.
- 5** Press **Yes**. The display shows PRESS PROGRAM BUTTON OF DEVICE.
- 6** Press and release program button on detector using a paper clip end. The detector LED flashes. Wait for keypad display to show DETECTOR (1 - 24) RECORDED.
- 7** Press **Yes**. The display shows RADIO RANGE TEST? Press **Yes** again. The detector LED starts flashing and keypad display shows TEST IN PROGRESS.



- 8** Take detector to its intended mounting location and make sure LED flashes continuously, indicating good communication with control panel.
- 9** Press **Yes** to end radio range test, then press **Esc/No**.
- 10** The display shows AREA ASSIGNMENT AREA: 1. Press either arrow button repeatedly until desired AREA number appears, then press **Yes**.
- 11** The display shows NAME + LOCATION. Enter appropriate device name/location (up to 16 characters), then press **Yes**. The display shows the device number and name for your verification.
- 12** Press **Yes**. The display shows VERIFY DETECTION? Press **Yes** again and verify detector operation. For example, wave your hand in front of detector to activate its LED indicating detection.
- 13** Press **Yes** to end detection verification.
- 14** The display shows ADD A NEW DEVICE? Repeat steps 1 - 13 for remaining detectors.
- 15** When finished programming, put the control panel in operating mode.

Sensitivity diagram at 2m30 height

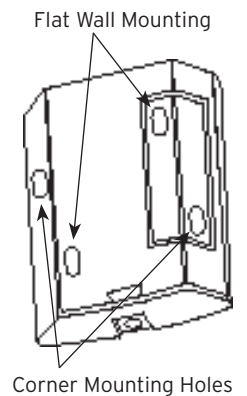


WARNING : Do not cover the Fresnel lens !

Mounting

- > Use proper tools and hardware.
- > Mount indoors in a temperature-controlled environment.
- > Mount camera 2.1 to 2.3 (6.9 to 7.5 ft.) from the floor.
- > Mount the detector on an outside wall, aimed at the area to be protected.
- > Do not aim detector at windows, especially those that let in direct sunlight, or at heat sources such as lamps, fireplaces, radiators, and heating vents.
- > Do not aim detector at moving objects such as curtains, fans, or animals in cages.

- 1 Separate base from detector.
- 2 Hold detector base against mounting surface and mark the two appropriate mounting holes.
- 3 Drill pilot holes and install anchors where needed.
- 4 Mount detector base to surface using appropriate screws
- 5 Install battery into detector, observing correct polarity.
- 6 Place unit on the mounting surface so mounting holes line up with pilot holes/anchors and secure the device with the appropriate screws.
- 7 Attach detector to base and secure with screw.



Electrical Data

Panel Compatibility	XL, Visio, XT, XTIP
Power requirements	One 3.6 V Lithium battery
Nominal Voltage	3.6v
Low battery limit	2.7v
Battery type	SAFT AA Lithium, LS14500
Battery life (estimated)	Up to 4 years
Current Consumption	
Standby (1h average)	35 uA
Max	70mA
RF technology	S ² View®
Radio type	Spread Spectrum Bidirectional RF
Operating frequency	915 MHz (US)
Transmission security	AES algorithm encryption
Supervision	Panel polls devices every 8 minutes
Antenna	Integrated
Tamper detection	Wall and cover tampered
Video sequence in intrusion	5 frames/s for 10 seconds
Motion detector technology	Passive infrared DSP
Motion detector type	Dual element
Motion Lens	Fresnel
Motion Detection angle	90°
Motion Detection distance	Up to 26 ft / 8m
Motion Detection pattern	24 facets
Operating temperature	14° - 104° F (-10° - 40° C)
Maximum relative humidity	75%, non-condensing
Certifications	FCC Part 15C

Physical Data

Material	ABS-ULVO
Dimensions	(LxWxD): 2.95in x 2.16in x 2.16in (75 mm x 55 mm x 55 mm)
Weight	3 oz./82 g (without battery)

Installation/Mounting

Camera/Base	One screw secures camera to base; two screws secure camera base to mounting surface, flat or corner mount.
Mounting Height	6.9-7.5 Feet (2.1-2.3 meters)

FCC Regulatory Information for USA and CANADA

FCC Part 15.21 Changes or modifications made to this equipment not expressly approved by RSI VideoTechnologies may void the FCC authorization to operate this equipment.

FCC Part 15.105 Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radio frequency radiation exposure information according 2.1091 / 2.1093 / OET bulletin 65

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.

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.



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