

# The Lookout® DT

## Portable Security System

### Battery Powered - Remotely Controllable - Voice Message Over Radio, Cellular Phone, or Standard PBX Phone Lines

The Lookout series of portable security systems integrates the power of microprocessor based voice processing technology with true remote control capabilities. The combined technologies allow the Lookout DT to transmit prerecorded voice messages and/or customized alarm messages via radio, cellular phone or standard PBX phone lines when one or more sensors are breached. Messages can be literal or coded with some telemetry tones already digitized into the system. The Lookout DT is controlled and programmed by radio keypad or by PC Software. This permits total management of all recordings, sensor adjustments, scheduling and numerous other features. Range of alarm transmission is limited only by the type of communication link used.

The Lookout DT uses Dual-Tech (PIR and Microwave) sensors. The Lookout DT provides greater than 40 ft. of coverage for 360 degrees.

Operating temperature range is 0° F (-15C) to 120° F (35C). The Lookout DT is operational to minus 32°F, but specifications are not guaranteed at this temperature. The system housing is constructed of fiberglass and rugged plastics rated for outdoor service. The Lookout DT weighs 50 lbs. It is designed to provide years of indoor or outdoor service.

The Lookout DT runs about 200 hours on a single charge. A gel-cell lead acid battery provides long service life. When the battery needs charging, the Lookout DT will advise the user via radio with a verbal message. The internal battery is recharged by connecting the system to a small wall charger for 10 to 24 hours (110V or 220V). When the system is fully charged, charging automatically ceases to prevent damage to the battery.

As a component of a total security system, the Lookout DT can enhance the scope and reach of security personnel and central alarm companies. With ease of use and control, the Lookout DT is designed to make portable security a sophisticated component of a comprehensive security system.

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### Applications

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Museums  
Schools  
Hotels  
Plants  
Parking Decks/Lots  
Prisons  
Mobile Units  
Depots  
Remote Areas  
Fire Departments  
Police Departments  
Utility Substations

**LOOKOUT®**  
PORTABLE SECURITY SYSTEMS

# Specifications and Features

**LOOKOUT**  
PORTABLE SECURITY SYSTEMS

## SYSTEM FEATURES

- Tilt/Acceleration switch detects tip over or assault of the Lookout.
- Clock calendar permits automatic enable/disable of individual Lookout systems or individual sensors in a Lookout based on time of day, day of week or date.
- Vocabulary of 75+ words. Option for user input of up to 27 user recorded phrases (60 seconds maximum talk time).
- Use default alarm messages or make custom messages using any combination of the 75+ prerecorded words and user recorded phrases.
- Automatic self-test transmission at user selected intervals provides confidence check of system operation without the need for external test equipment.
- Automatic voice alarm on low battery.
- Automatic Optimum Charge Cycle Battery Charger for maximum charger operation.
- Green LED indicates battery charged. Red LED indicates charger operating.
- Key switch prevents unauthorized shut-off. Alarm is generated if system is switched off.
- User programming of special features by use of DTMF keypad. Special user selectable security codes prevent unauthorized access to programmable features.
- External alarm input accepts contact closure from external source and transmits unique alarm message.
- Dry contact closure (SPDT) provides alarm output to external equipment.
- Preprogrammed 75+ word vocabulary and default alarm messages are stored in ROM and will remain indefinitely regardless of battery condition. A fully charged system may be left in storage for more than six months and still retain user recorded messages. The system may be left on float charge indefinitely.
- Special sensor adjustments and alarm analysis allow for system use in a variety of environments.

## COMMUNICATION LINK

### Via Radio:

**Type:** FM 4.5 watt nominal output.  
Tone squelch/DPL optional.

**Approvals:** FCC, DOT  
(for export, consult factory)

**Frequency Range:** Synthesized  
VHF 136mhz to 174mhz or  
UHF 405-425, 440-460,  
450-470mhz  
(specify exact frequency required)

**Frequency Stability:** +/- 5ppm

**Frequency Deviation:** +/- 5khz

**Range:** Depends on terrain - typically one mile to individual guard with HT. Much further to base station equipped with elevated antenna system.  
Compatible with repeater systems.

**Special Radios:** Consult Factory  
800/900 trunking compatible

### Via Cellular Phone:

Can be installed wherever cellular phone service is available. Remote programming over cellular telephone link. Consult factory for details.

### Via Standard PBX Phone Line:

Can be installed with standard phone line interface. Multiple phone numbers can be programmed for alarm reporting. Remote programming over phone lines. For use with PBX lines only.

## ENVIRONMENT

**Location:** Designed for outdoor or indoor use. Rain, fog or condensation may affect range of sensors.

**Temperature:** Operable in temperatures from 0° F (-15C) to 120° F (+35C)

**Humidity:** 5% to 98% RH (non-condensing).

## DETECTION METHODS

### Dual-Tech: Lookout DT

Incorporates PIR and microwave detection methods

**Coverage:** 360° coverage standard with 90°, 180°, 270° coverage user programmable. 40 ft. range.

**Walk Rate:** 0.5 to 5 feet/second

**Sensor Height:** 36-40 inches nominal

**Walk Test:** Using communication link

### Tilt/Acceleration Sensor - Standard:

**Type:** Hermetically sealed

**Sensitivity:** 20° nominal tilt

### Battery:

**Type:** 15AH Lead Acid Gel Cell

## HOUSING

**Physical Size:**

**Base:** 14 inches (35.6cm) x 18 inches (45.7cm)

**Tower:** 4 inches (10.3cm) x 8 inches (20.3cm) x 42.75 inches (109cm)  
(DT Height = 50.25 inches)

**Materials:** Plastic/fiberglass, UV resistant ABS, and UV resistant polyurethane

**Specifications:** UL90V0 Materials

**Weather Resistant:** System operable in precipitation, but precipitation or fog may affect sensor range.