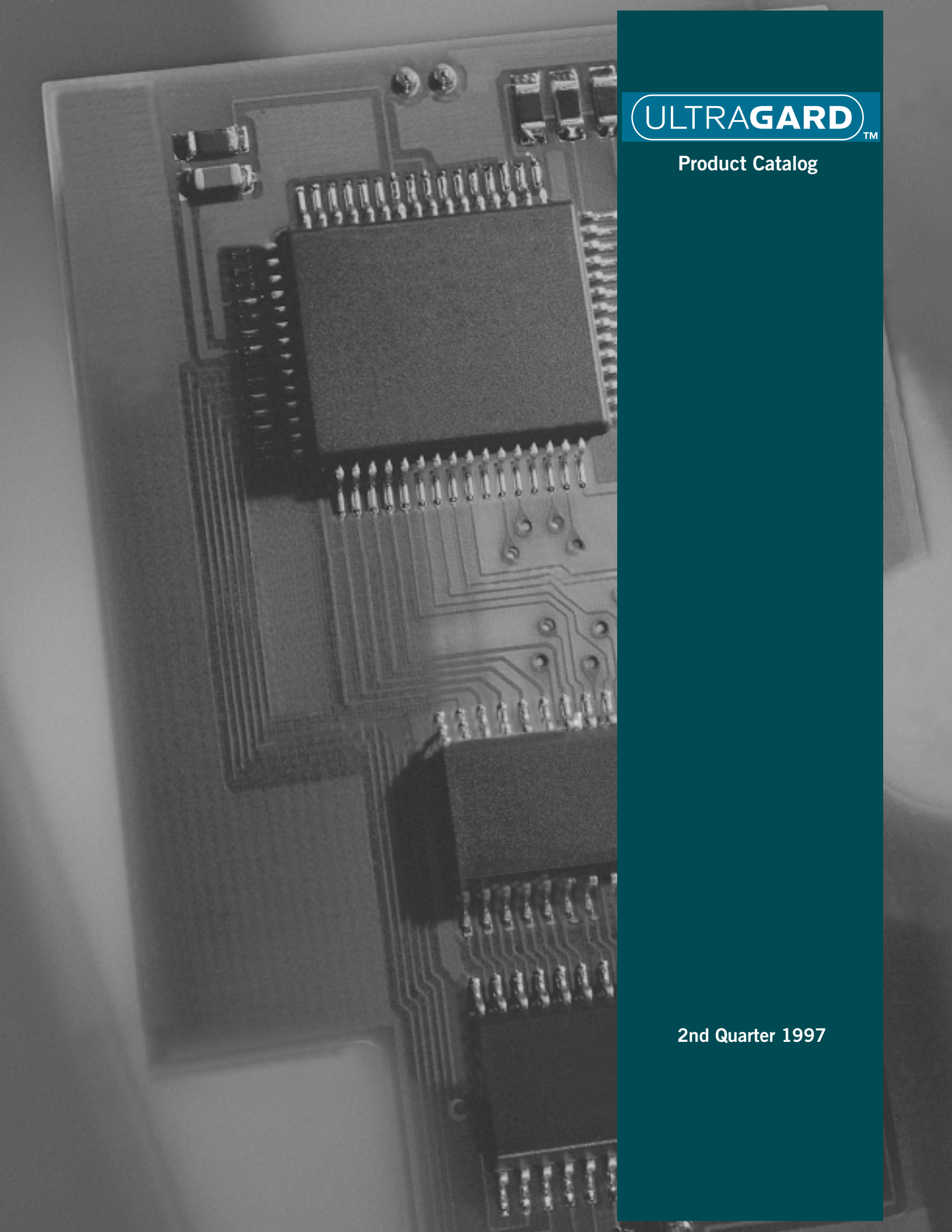


ULTRAGARD™

Product Catalog

2nd Quarter 1997

Contents

ITI Wireless Systems *1*
- Innovative Technology *1*
- Product Compatibility Table *2*
- Features Comparison Table *4*

UltraGard Security & Home Automation System *5*
- System Profile *5*
  - System Components *6*
  - Control Panels *7*
  - Power, Mounting, & Programming *8*
- Crystal Sensors *11*
  - Crystal Intrusion Sensors *11*
  - Crystal Fire & Smoke Sensors *15*
  - Crystal Environmental Sensors *16*
  - Crystal Personal Emergency Sensors *17*
  - Crystal Sensor Receivers *18*
- SuperBus Touchpads *19*
- Crystal Touchpads *20*
- Speakers & Sirens *21*
- Peripherals *23*
- Sales, Print, & Video Materials *25*
- Ordering & Returning Products *27*
- Index *29*
  - By Part Number *29*
  - By Description *31*

Note
This product catalog contains information and policies for UltraGard™ products only. For pricing information contact Customer Service.

ITI's products use innovative technology to provide security solutions for commercial and residential applications.

ITI's Learn Mode™ Technology

ITI's patented Learn Mode technology increases the ease and reliability of installations. Each sensor in a system has its own factory-programmed identity. ITI's control panel "learns" the identity of each sensor in the system, eliminating programming errors in the field and other problems associated with the wireless systems of other manufacturers.

Installation Time

ITI's Learn Mode systems are easy to install. Once the sensors are installed, they are added to the control panel's memory; no sensor programming is required. Large residential systems can be installed in a single day by a relatively inexperienced installer. Smaller installations, such as apartments, can be completed in less than four hours.

Applications

ITI systems are used around the world to protect people and property. ITI systems are installed in museums for collection security, military installations for equipment security, utility companies for usage monitoring, nursing homes for resident monitoring, and universities for computer equipment security.

Home Automation

ITI systems go beyond burglar and fire protection. The home automation features available with some ITI systems allow the user to turn lights on and off at the touch of a button and control their heating and cooling system to save energy.

Two-Way Voice

ITI has responded to the growing concern over false alarm prevention and violent crime by developing its two-way voice technology. Two-way voice allows the central station operator to hear what is happening during an alarm and speak directly to the people on the premises.

Reporting and Interactive Capabilities

ITI systems can report in standard 4/2 format and can report to most receivers. Using the ITI format with an ITI receiver, system programming changes can be made over the phone and system reporting is more detailed.

Sensor Groups

ITI systems offer more than the standard intrusion, fire, emergency, and environmental sensor groups. Innovative sensor groups expand the usability and functionality of the system. For example, local sensor groups, which only sound an alarm on the premises, can be used to warn a user when the pool gate or freezer door is left open. The extended delay groups can be used on garage doors and driveway gates to give the user more time to enter the premises and disarm the system without causing an alarm.

New SuperBus™ Platform

ITI introduces new SuperBus peripherals which feature fast data communication between the control panel and hardwire bus devices. SuperBus peripherals are compatible with UltraGard™ and will be compatible with future generation ITI systems.

Product Compatibility Table

Product	UltraGard™	SX-V® Special	CareTaker® *Plus*	Commander 2000®
Power, Mounting, & Programming				
60-679 16.5 VAC Class II Transformer	•			
60-515 9 VAC Class II Transformer			•	•
22-068 220 VAC 50 Hz Power Supply			•	
60-678 Line Carrier Transformer	•			
60-346-500 Line Carrier Transformer		•	•	•
60-680 12 VDC, 6.5 Ah Control Panel Backup Battery	•			
60-554 6 VDC, 3.2 Ah Control Panel Backup Battery (Panels purchased before 4/1/94)		•	•	
60-602 6 VDC, 4 Ah Control Panel Backup Battery (Panels purchased after 4/1/94)			•	
60-600 1.5 VDC AA Alkaline Battery 6/pk				•
60-601 1.2 VDC AA NiCd Battery 6/pk				•
60-485-95 CareTaker *Plus* RF Radio Receiver Module			•	
80-179 Commander 2000 Table Mounting Base with Jacks				•
80-168 Commander 2000 Table Mounting Base with Interrogator®				•
60-675-WIN ITI ToolBox for Windows® 3.5	•			•
60-576 Magic Key® Programming Fob				•
60-577 Magic Key Access Fob				•
60-612 Magic Key Apartment Programmer				•
60-197-64K CS-4000 Central Station Receiver	•	•	•	•
Intrusion Sensors				
60-362-10-319.5 Belgian Gray Door/Window Sensor	•	•	•	•
60-362-11-319.5 Brown Door/Window Sensor	•	•	•	•
60-688-95 Belgian Gray Micro Door/Window Sensor	•	•	•	•
60-688-11-95 Brown Micro Door/Window Sensor	•	•	•	•
60-641-95 Belgian Gray Long-Life Door/Window Sensor	•	•	•	•
60-641-11-95 Brown Long-Life Door/Window Sensor	•	•	•	•
60-499-10-319.5 Belgian Gray Slim Line Door/Window Sensor	•	•	•	•
60-499-11-319.5 Brown Slim Line Door/Window Sensor	•	•	•	•
60-409-10-319.5 Belgian Gray Recessed Door/Window Sensor	•	•	•	•
60-409-11-319.5 Brown Recessed Door/Window Sensor	•	•	•	•
60-511-01-95 DS924i PIR Motion Sensor	•	•	•	•
60-459-319.5 Sound Sensor	•	•	•	•
60-582-10-319.5 IntelliSense™ Dual Disturbance Sound Sensor	•	•	•	•
60-461-10-319.5 Belgian Gray Shock Sensor	•	•	•	•
60-461-11-319.5 Brown Shock Sensor	•	•	•	•
60-462-10-319.5 Belgian Gray Glass Guard Sensor	•	•	•	•
60-462-11-319.5 Brown Glass Guard Sensor	•	•	•	•
Fire & Smoke Sensors				
60-506-319.5 System Sensor™ Smoke Sensor 2100 RF	•	•	•	•
60-506-319.5-LB System Sensor Smoke Sensor 2100 RF with Lithium Battery	•	•	•	•
60-645-95 System Sensor Smoke Sensor 2300 RF with Lithium Battery	•	•	•	•
60-460-319.5 Rate-of-Rise Heat Sensor	•	•	•	•
60-460-319.5-LB Rate-of-Rise Heat Sensor with Lithium Battery	•	•	•	•
60-589-319.5 Fire Pull Station Sensor	•	•	•	•
Environmental Sensors				
60-504-10-319.5 Freeze Sensor	•	•	•	•
60-658-95 ITI/American Sensors™ COS-200 Carbon Monoxide Gas Sensor	•	•	•	•
Personal Emergency Sensors				
60-578-10-95 Water-Resistant Pendant Panic Sensor	•	•	•	•
60-452-10-319.5 Pendant Panic Sensor	•	•	•	•
60-457-10-319.5 Double Button Panic Sensor	•	•	•	•
60-458-10-319.5 Single Button Panic Sensor	•	•	•	•

Product Compatibility Table cont.

Product	UltraGard™	SX-V® Special	CareTaker® *Plus*	Commander 2000®
Sensor Receivers				
60-615-10-319.5 Quik Bridge™ Learn Mode™ Repeater	•	•	•	
Touchpads				
60-661 SuperBus™ 2-Line LCD Alphanumeric Touchpad	•			
60-662 SuperBus 2-Line VFD Alphanumeric Touchpad	•			
60-586-UG SuperBus Alphanumeric Touchpad	•			
60-248-10-CTP CareTaker *Plus* Alphanumeric Touchpad			•	
60-248-10-SPL SX-V Special Alphanumeric Touchpad		•		
60-453-10-95 HiTech Wall Mount Wireless Touchpad	•		•	•
60-597-95 HiTech Hand Held Wireless Touchpad	•		•	•
60-453-10-95-SPL SX-V Special HiTech Wall Mount Wireless Touchpad		•		
60-348-10-95 Hand Held Wireless Touchpad	•		•	•
60-348-10-95-SPL SX-V Special Hand Held Wireless Touchpad		•		
60-606-319.5 4-Button Keychain Touchpad	•		•	•
60-607-319.5 2-Button Keychain Touchpad	•		•	•
Speakers & Sirens				
60-252 Hardwire Interior Speaker and Piezo	•		•	
60-528 Hardwire Interior Speaker with Dual Speakers			•	
13-060 15 Watt RMS Exterior Horn Speaker	•		•	
13-061 30 Watt RMS Exterior Horn Speaker	•		•	
80-094 CareTaker *Plus* Status Speaker			•	
60-278 Hardwire Interior Siren and Piezo	•	•	•	•
60-483-01 Slim Line Hardwire Interior Siren	•	•	•	•
60-353-235 Wireless Interior Siren	•	•	•	•
60-683 Phone Jack Siren (Flush Mounted)	•	•	•	•
13-046 Hardwire Exterior Piezo Siren	•	•	•	•
60-664 Siren Line Supervision Module			•	•
30-006 Annunciator Piezo Status Beeper with Leads			•	
Peripherals				
60-677 Interrogator® 200 Audio Verification Module	•			
60-471 Interrogator Alarm Verification Module in Case with Speaker & Microphone		•	•	•
60-558 Interrogator Alarm Verification Module Main Circuit Board		•	•	•
60-559 Interrogator Recording Module		•	•	•
60-620 SuperBus Energy Saver Module	•			
60-438 CareTaker *Plus* Energy Saver Module			•	
60-436 CareTaker *Plus* Feature Expansion Module			•	
60-584 SuperBus Hardwire Input Module	•			
60-585 SuperBus Hardwire Output Module	•			
60-242 CareTaker *Plus* Bus 8 Zone Hardwire Input Module			•	
60-243 CareTaker *Plus* Bus Hardwire Output Module		•	•	
60-245 CareTaker *Plus* Bus PinPoint Multiplex Input Module		•	•	
60-103 PinPoint 128 Interface Module		•	•	
60-113 PinPoint 128 Remote Control & Display		•	•	
13-403 X-10® Pro™ Lamp Module	•	•	•	•
13-402 X-10 Pro Appliance Module	•			
Fiber Optics				
60-567-95 ITI LightGard® with Learn Mode Transmitter	•	•	•	•
60-537 12V Hardwire LightGard	•			
60-536 12V Hardwire LightGard with Key & Sounder	•			

Features Comparison Table

Feature	UltraGard™	SX-V® Special	CareTaker® *Plus*	Commander 2000®
Standard Zone Configuration				
Max Wireless Zones	76	99	40	8 or 17
Hardwire Zones On Board	6	0	6	1
Total Zones On Board	76	99	40	9 or 18
Options for Hardwire Zone Expansion	64	64	32	N/A
Max Number Zones Achievable	76	99	40	9 or 18
12 VDC Auxiliary Output	12-22 VDC @ 750 mA	6 VDC @ 500 mA	6 VDC @ 750 mA	6.5-12 VDC @ 285 mA
Transformer	16.5 VAC 50 VDC	12 VAC	9 VAC 30 VA	9 VAC 15 VA
Open-Air Range (Typical)	2,500'	1,500'	1,500'	1,000'
Spatial Diversity Standard	•	•	•	•
Partitions	1	1	1	1
Phone Numbers	2	2	2	2
User Codes	24‡	34	6	6
Programmable User Codes	24	2	2	2
Number of Digits for Code	4	4	4	4
Up/Downloadable	•			•
EEPROM Memory	•		•	•
Phone Control On Board	•		•	
Attack-Resistant Enclosure	•	•		
Event Logging	•‡	•		•
Light Control	•	•	•	•
Individual Light Control	•			
Energy Saver Option	•		•	
Lockout Option				•
Two-Way Voice Option	•	•	•	•
Dialer Cancel Option	•	•	•	•
Battery Test	•	•	•	•
Line Cut Detection	•	•	•	
Phone Voice Prompts	•		•	
Quick Arm/Force Arm	•	•	•	•
Key Switch Arming	•‡			
Quick Bypass (Direct)	•	•	•	•
Number of Separate Entry/Exit Times	4	2	3	3
Siren Timeout	1-30 min	1-15 min	1-15 min	2-15 min
Chime	•	•	•	•
Touchpads				
Max Number of Wireless Touchpads*	4	14	5	4
Max Number of Hardwire Touchpads	7	4	5	N/A
2-Button Keychain Touchpad*	•		•	•
4-Button Keychain Touchpad*	•		•	•
Regulatory				
UL 985: House-Fire	•	•	•	•
UL 1023: House-Burglary	•	•	•	•
UL 1637: Home Health Care	•		•	•
ULC S545-M89: Residential Fire Warning Control Unit			•	•
ULC S309: Residential Burglary Fire Warning System Control Unit			•	•
Industry Canada†	•		•	•
California State Fire Marshal Listing	Pending		•	•

• The feature or option is part of the system specifications. Specifications subject to change.
* Keychain Touchpads can also be added to compatible systems as sensors, making all wireless sensors and touchpad zones available for touchpads if necessary.
† Formerly DOC.
‡ These features will be available with UltraGard version 2.0.

UltraGard™ Security and Home Automation System is a full-featured hybrid system.

Control Panel
- UltraGard Control Panel, Version 2.0
  UltraGard version 2.0 feature enhancements include a 32 event buffer with time and date stamp, more user codes, key switch arming, and SuperBus™ Hardwire Output Module support.
- Power, Mounting & Programming
- 16.5 VAC Standard Class II Transformer, Line Carrier Transformer, or 12 VDC marine battery
- 12 VDC, 6.5 Ah rechargeable, lead-acid backup battery power
- Wall mount
- Programmable from any SuperBus Alphanumeric Touchpad, ITI ToolBox™, and the CS-4000 Central Station Receiver

Wireless Sensors
- Compatible with all of ITI crystal Learn Mode™ sensors

Touchpads
- Compatible with all of ITI crystal Learn Mode wireless touchpads and SuperBus Alphanumeric Touchpads

Speakers & Sirens
- Compatible with most of ITI interior and exterior speakers
- Compatible with most of ITI interior, exterior, and wireless sirens

Peripherals
- Interrogator® 200 Audio Verification Module provides two-way voice capability
- SuperBus hardwire modules provide additional system options, such as energy saving thermostat control, and additional hardwire input and output zones
- X-10® Pro™ Modules provide light control and appliance control

Note:
UltraGard is compatible with Interrogator 200 and the following SuperBus devices: Alphanumeric Touchpads, the Energy Saver Module, the Hardwire Input Module, and the Hardwire Output Module.

The UltraGard Security and Home Automation System (UltraGard) is a full-featured, hybrid security system that uses advanced technology for burglar and fire detection. With the control panel's 12 volt auxiliary power output capability, 76 zone capacity, 6 on-board hardwire zones, and more than 20 types of wireless sensors to choose from, UltraGard can handle virtually any security application, big or small.

Range
- 2,500 ft typical open-air range with ITI's Learn Mode sensors

Zones
- 76 total
- 6 built-in hardwire
- 70 total hardwire with optional SuperBus Hardwire Input Modules

Access Codes
- 1 installer programming code
- 1 two-way voice code
- 24 user-programmable codes

Programming
- From SuperBus Alphanumeric Touchpads
- Remotely from a PC using ITI ToolBox or the CS-4000

Downloading
- Uploading and downloading remotely from a PC using ITI ToolBox

Reporting
- Uses 2 phone numbers and split reporting
- ITI or 4/2 format

Home Automation Features
- Premises temperature control
- Individual light control
- Appliance control

Other Features
- Voice messages
- Text messages with SuperBus Alphanumeric Touchpads
- On-/off-site telephone control
- Chime feature to monitor door and window activation
- Two-way voice
- Event buffer
- Key switch arming

Note:
Specifications subject to change. Some features are optional.

System Components

CONTROL PANEL

UltraGard™
Control Panel
60-650-95

Power, Mounting, & Programming

ITI ToolBox
60-675-WIN

Line Carrier
Transformer
60-678

12 VDC, 6.5 Ah
Control Panel
Backup Battery
60-680

Intrusion Sensors

Door/Window
Sensor
60-362-10-319.3

Micro
Door/Window
Sensor
60-688-95

DS924i PIR
Motion Sensor
60-511-01-93

Shock Sensor
60-461-10-319.3

Fire & Smoke Sensors

Fire Pull
Station Sensor
60-580-319.3

Rate-of-Rise
Heat Sensor
60-460-319.3

System Sensor
Smoke Sensor 2500 RF
60-645-95

Environmental Sensors

Freeze Sensor
60-504-10-319.3

ITI/American Sensors COS-200
Carbon Monoxide Gas Sensor
60-658-95

Personal Emergency Sensors

Water Resistant
Pendant Panic Sensor
60-578-10-93

Pendant Panic
Sensor
60-452-10-319.3

Touchpads

HiTech Hand Held
Wireless Touchpad
60-597-95

4-Button Keychain
Touchpad
60-606-319.3

SuperBus™ 2-Line LCD
Alphanumeric Touchpad
60-662

Speakers & Sirens

Wireless Interior
Siren
60-333-233

30 Watt RMS
Interior Horn
Speaker
13-051

Hardwire Exterior
Siren
13-030

Peripherals

Interrogator® 200
Audio Verification
Module
60-677

SuperBus Hardwire
Output Module
60-585

SuperBus
Hardwire Input
Module
60-584

X-10 Pro Lamp
Module
13-403

Note:
All UltraGard™ system components are not pictured here.

Part	Description/Features	Specifications	Accessories

Control Panel

NEW VERSION!

60-650-95
UltraGard Control Panel

Notes
UltraGard version 2.0 feature enhancements include a 32 event buffer with time and date stamp, more user codes, key switch arming, and SuperBus™ Hardwire Output Module support.

Order transformer and backup battery separately.

Order the Line Carrier Transformer if using X-10 Modules or Wireless Interior Sirens.

Order a SuperBus™ Alphanumeric Touchpad for programming.

UltraGard is not compatible with the following CareTaker® *Plus* devices: the Alphanumeric Touchpad, Interrogator® Audio Verification Module, the Energy Saver Module, the Hardwire Input Module, or the Hardwire Output Module.

- Provides powerful security and home automation system control
- 76 zones
- 6 built-in hardwire zones
- Up to 70 hardwire zones option
- Up to 32 "Form C" relay outputs option
- 24 access codes
- Event buffer
- Key switch arming
- Telephone control
- Chime
- Two-way voice option
- Individual light control option
- Premises temperature control option
- Appliance control option

- 2,500 ft typical open-air range with ITI's Learn Mode™ sensors
- 16.5 VAC Class II Transformer, Line Carrier Transformer, or 12 VDC @ 3 A continuous power supply (not included)
- 12 VDC, 6.5 Ah rechargeable, lead-acid backup battery (not included)
- 12-22 VDC @ 750 mA auxiliary power output
- 750 @ 12-14 VDC mA regulated auxiliary power output
- Battery test under load every 24 hours
- Crystal-controlled superheterodyne radio receiver with spatial diversity
- 319.5 MHz radio frequency
- 40K Hz radio bandwidth radio frequency
- DTMF or pulse dialing
- 8 KB EEPROM memory
- 41 word vocabulary
- Installation Instructions included*
- 40°-100°F operating temperature
- Gray metal housing
- Key lock
- Wall mounting
- 14.5" wide x 14.5" high (+ 9" for antennas) x 3.0" deep
- 5 lbs, 6 oz

* For complete system installation information, order the UltraGard Reference Manual (86-008-ITI).

See *Power, Mounting, & Programming* for more accessories.

Power, Mounting, & Programming

Part	Description/Features	Specifications	Accessories
 Transformers **60-679** 16.5 VAC Class II Transformer UL Listed **60-678** Line Carrier Transformer (pictured) **Note:** Order the Line Carrier Transformer if the system includes X-10 Modules or a Wireless Interior Siren.	■ Provides primary power to the control panel ■ Supplies 16.5 VAC power required by the control panel ■ 60-678: Contains line carrier circuitry required for optional X-10 Modules and Wireless Interior Sirens	■ 16.5 VAC power supply ■ 110 VAC @ 60 Hz power requirement ■ 18-gauge stranded wire ■ 40°-100°F operating temperature ■ Standard 110 VAC grounded non-switched outlet ■ Black ■ 2.4" wide x 3.25" high x 2.5" deep	None
 Backup Battery **60-680** 12 VDC, 6.5 Ah Control Panel Backup Battery	■ Provides backup power to the control panel and hardwire devices when fully charged and AC power is out ■ Provides up to 24-hours backup power when fully charged	■ 12 VDC, 6.5 Ah backup power ■ Up to 24-hours back up power when fully charged ■ 5.9" wide x 3.7" high x 2.7" deep	None
 Downloader **60-675-WIN** ITI ToolBox for Windows 3.5	■ Software application that allows control panels to be programmed from a PC. ■ Uploads control panel information for new accounts ■ Downloads control panel information for new installations ■ Updates existing control panel programming ■ Easy menu-driven interface ■ On-line help ■ Stores database of control panel accounts on a PC hard disk	**Package includes:** ■ One 3.5" high density disk ■ Getting Started manual ■ On-line help **Minimum system required:** ■ Windows 3.1 ■ 386/25 MHz IBM® or compatible PC ■ 500 KB free conventional RAM ■ VGA-compatible video controller ■ Hayes™ or compatible modem ■ 2 MB free hard disk space	None

Power, Mounting, & Programming

Part	Description/Features	Specifications	Accessories
 Central Station Receiver **60-197-64K** CS-4000 Central Station Receiver **Notes** The CS-4000 requires the following parts for UL Fire and Burglary compliance: 13-352, 13-227, 13-248, 60-417 (Fire only). CS-4000 Version 6.1 software is required for UltraGard version 2.0 support.	■ Provides control panel monitoring and programming capabilities ■ Monitors all ITI systems ■ Monitors most popular communication formats ■ Programs all ITI control panels ■ Built-in CRT display ■ 4 telephone line connections ■ 3 RS-232 outputs ■ Backup battery	■ 110 VAC @ 60 Hz or 220 VAC @ 50 Hz operating voltage ■ 12 VDC, 6.5 Ah lead acid backup battery (not included) ■ Installation and Operator's Guide (included) ■ 19" wide x 5.75" high x 14" deep	**60-726** CS-4000 Central Station Memory Module Kit Version 6.1 (Version 6.1 required for UltraGard version 2.0 support) **13-352** Okidata® Printer 13-227 Proxima® Surge Suppressor **13-248** 12V, 6.5 Ah Backup Battery **60-417** Phone Line and Power Fault Annunciator Module **46-056** Installation and Operator's Guide **46-081** CS-4000 Full Color Brochure

Configuration Notes

Part	Description/Features	Specifications	Accessories
 Standard Door/Window Sensors **60-362-10-319.5** Belgian Gray Door/Window Sensor (pictured) **60-362-11-319.5** Brown Door/Window Sensor	■ Protects anything that opens and closes, such as doors, windows, jewelry cases, and gun cabinets ■ Installs on anything that opens or closes ■ For low and average traffic areas ■ Built-in terminal strip for connecting hardwire contacts ■ 2 internal reed switches allow for vertical or horizontal mounting	■ 3.5 VDC 1/2 AA lithium battery ■ 5-8 year battery life ■ 2 internal reed switches ■ 1.56" wide x 3.25" high x .88" deep ■ 10°-120°F operating temperature ■ Tamper switch ■ Supervisory report every 64 minutes ■ Belgian gray or brown ■ Flat surface mounting	**34-026** 3.5 VDC 1/2 AA Lithium Battery **60-189** Belgian Gray Sensor Spacer 20/pk **60-188** Belgian Gray Sensor Magnet Spacer 25/pk **60-260** Belgian Gray Sensor Case 5/pk **60-555-10** Belgian Gray Magnet (includes plastic) 10/pk **60-191** Brown Sensor Spacer 20/pk **60-190** Brown Sensor Magnet Spacer 25/pk **60-261** Brown Sensor Case 5/pk **60-555-11** Brown Magnet (includes plastic) 10/pk **466-1045** Door/Window Sensor Specification Sheet 50/pk
 Micro Door/Window Sensors **NEW!** **60-688-95** Belgian Gray Micro Door/Window Sensor (pictured) **60-688-11-95** Brown Micro Door/Window Sensor	■ Installs on anything that opens or closes ■ Small size and low profile ■ Provides sharp and clean installations ■ User replaceable battery **Note:** This sensor does not have a built-in terminal switch.	■ 3 VDC Coin Cell Lithium Battery (CR 2032) ■ 5-8 year battery life* ■ 10°-120°F operating temperature ■ Tamper switch ■ Supervisory report every 64 minutes ■ Belgian gray or brown ■ Flat surface mounting ■ .8" wide x 1.75" high x .5" deep * Actual battery life depends on how often the sensor is activated.	**60-699** 3V 190 mAh Coin Lithium Battery 10/pk **60-761** Micro Door/Window Sensor Terminal Block 10/pk **60-729** Belgian Gray Magnet (includes plastic) 10/pk **60-729-11** Brown Magnet (including plastic) 10/pk **466-1211** Micro Door/Window Sensor Specification Sheet 50/pk
 Long-Life Door/Window Sensors **60-641-95** Belgian Gray Long-Life Door/Window Sensor (pictured) **60-641-11-95** Brown Long-Life Door/Window Sensor	■ Installs on anything that opens or closes ■ For high traffic areas or where replacing a sensor is difficult ■ Built-in terminal strip for connecting hardwire contacts ■ 2 internal reed switches allow for vertical or horizontal mounting	■ 3.5 VDC AA lithium battery (permanent) ■ Estimated 20 year battery life ■ 2 internal reed switches ■ 1 built-in terminal strip ■ 1.56" wide x 3.25" high x .88" deep ■ 10°-120°F operating temperature ■ Tamper switch ■ Supervisory report every 64 minutes ■ Belgian gray or brown ■ Flat surface mounting	**60-189** Belgian Gray Sensor Spacer 20/pk **60-188** Belgian Gray Sensor Magnet Spacer 25/pk **60-260** Belgian Gray Sensor Case 5/pk **60-555-10** Belgian Gray Magnet (includes plastic) 10/pk **60-191** Brown Sensor Spacer 20/pk **60-190** Brown Sensor Magnet Spacer 25/pk **60-261** Brown Sensor Case 5/pk **60-555-11** Brown Magnet (includes plastic) 10/pk **466-1048** Long-Life Door/Window Sensor Specification Sheet 50/pk

Crystal Intrusion Sensors

Part	Description/Features	Specifications	Accessories
 Slim Door/Window Sensors **60-499-10-319.5** Belgian Gray Slim Line Door/Window Sensor (pictured) **60-499-11-319.5** Brown Slim Line Door/Window Sensor	■ Protects anything that opens and closes where the sensor mounting area is limited, such as narrow casements and window frames ■ Slim design fits on most windows ■ Installs on anything that opens or closes	■ 3.5 VDC 1/2 AA lithium battery (send to ITI to replace) ■ 5-8 year battery life ■ 10°-120°F operating temperature ■ Tamper switch ■ Supervisory report every 64 minutes ■ Belgian gray or brown ■ Flat surface mounting ■ .31" wide x 4.94" high x .88" deep	**80-089-10** Belgian Gray Sensor Case 5/pk **80-089-11** Brown Sensor Case 5/pk
 Recessed Door/Window Sensors **60-409-10-319.5** Belgian Gray Recessed Door/Window Sensor (pictured) **60-409-11-319.5** Brown Recessed Door/Window Sensor	■ Protects doors and windows where the sensor should be concealed ■ Sensors are completely concealed when installed ■ Lithium battery	■ 3.5 VDC 1/2 AA lithium battery (send to ITI to replace) ■ 5-8 year battery life ■ 10°-120°F operating temperature ■ Tamper switch ■ Supervisory report every 64 minutes ■ Belgian gray or brown ■ Recessed mounting ■ Sensor requires a .88" diameter x 4.63" deep hole; magnet requires a .5" diameter x 1.5" deep hole	**60-386-10** Belgian Gray Sensor Case 5/pk **40-297** Belgian Gray Steel Door Magnet Adapter 20/pk **60-386-11** Brown Sensor Case 5/pk **40-149** Brown Steel Door Magnet Adapter 20/pk
 Wall Mount Motion Sensor **60-511-01-95** DS924i PIR Motion Sensor	■ Detects movement inside an enclosed structure ■ Use in large rooms, narrow corridors, and stairwells ■ Passive infrared detection ■ 3 sensitivity settings ■ Includes masking kit to adjust coverage pattern ■ 3-minute motion lockout to conserve battery life ■ Optional lenses to suit various installation needs	■ 3.5 VDC 1/2 AA lithium battery ■ 3-5 year battery life ■ Standard 70° lens coverage is 35' x 40' ■ 10°-120°F operating temperature ■ Tamper switch ■ Supervisory report every 64 minutes ■ Belgian gray ■ Wall mounting ■ 2.75" wide x 4.38" high x 1.75" deep	**34-026** 3.5 VDC 1/2 AA Lithium Battery **13-286** DS924 70' Long Range Lens 3/pk **13-287** DS924 78° x 35' Pet Lens 3/pk **13-288** DS924 110° x 35' Wide Angle Lens 3/pk **13-318** DS924 35' Barrier Lens 3/pk **13-319** DS924 85° x 70' Dual Corridor Lens 3/pk **13-320** DS924 10° x 70' Long Range Pet Lens 3/pk **13-359** DS924 Mounting Bracket **466-1145** DS924i PIR Specification Sheet 50/pk

Crystal Intrusion Sensors

Part	Description/Features	Specifications	Accessories
 Single Technology Sound Sensor **NEW VERSION SOON!** **60-459-319.5** Sound Sensor	■ Responds to frequencies generated by breaking glass ■ Installs in rooms with many windows or a large picture window ■ Detection coverage of 360° up to 15' away ■ Detects sound of breaking glass (including tempered glass) .06" - .25" thick ■ Sensitivity preset by manufacturer **Note:** The new sound sensor does not include a tamper switch.	■ 3.5 VDC 1/2 AA lithium battery ■ 5-8 year battery life ■ Audio microphone ■ 10°-120°F operating temperature ■ Supervisory report every 64 minutes ■ Belgian gray ■ Wall or ceiling mounting ■ 4.38" diameter x 2" deep	**34-026** 3.5 VDC 1/2 AA Lithium Battery **13-332** IntelliSense Sound Sensor Tester
 Dual Technology Sound Sensor **60-582-10-319.5** IntelliSense Dual Disturbance Sound Sensor	■ Detection coverage up to 25' away in any direction ■ Includes a flex and audio microphone ■ Adjustable flex sensitivity ■ Test LEDs for flex sensitivity and audio range settings ■ Uses two AA batteries or one 9 V battery	■ Two 3.5 VDC AA lithium batteries (included) or one 9 VDC alkaline or lithium battery ■ 5-8 year battery life ■ 10°-120°F operating temperature ■ Tamper switch ■ Supervisory report every 64 minutes ■ Belgian gray ■ Wall or ceiling mounting ■ 4.13" wide x 4.75" high x 1.25" deep	**34-002** 9 VDC Eveready® Energizer® Alkaline Battery - UL listed **34-011** 9 VDC, 550 mAh, Duracell® Alkaline Battery - UL listed **34-037** 9 VDC, 1.2 Ah, UltraLife® Lithium Battery - UL listed **60-619** 3.5 VDC AA Lithium Battery 6/pk **13-332** IntelliSense Sound Sensor Tester
 Shock Sensors **60-461-10-319.5** Belgian Gray Shock Sensor (pictured) **60-461-11-319.5** Brown Shock Sensor **Note:** Order internal or external shock detector separately.	■ Installs on windows to detect openings/closings and breaking glass or splintering wood ■ Detects breaking glass or splintering wood up to 5' away ■ Shock detector can be mounted inside or outside sensor case ■ 2 built-in reed switches allow for vertical or horizontal mounting and detect window openings/closings ■ Adjustable sensitivity	■ 3.5 VDC 1/2 AA lithium battery ■ 5-8 year battery life ■ 10°-120°F operating temperature ■ Tamper switch ■ Supervisory report every 64 minutes ■ Belgian gray or brown ■ Window frame mounting ■ 1.56" wide x 4.88" high x .94" deep	**34-026** 3.5 VDC 1/2 AA Lithium Battery **60-267** Belgian Gray Sensor Case 5/pk **80-006-10** Belgian Gray Sensor Spacer 20/pk **13-005** Belgian Gray Surface Mount Litton® Shock Detector SP3237 **60-268** Brown Sensor Case 5/pk **80-006-11** Brown Sensor Spacer 20/pk **13-011** Brown Surface Mount Litton Shock Detector SP3237 **13-214** Litton Shock Detector (fits inside case) **13-215** Belgian Gray Litton Recessed Mount Shock Detector

Crystal Intrusion Sensors

Part	Description/Features	Specifications	Accessories
Glass Break Sensors **60-462-10-319.5** Belgian Gray Glass Guard Sensor (pictured) **60-462-11-319.5** Brown Glass Guard Sensor	■ Mounts directly onto glass in doors and windows, gun cabinets, etc., to detect breaking glass ■ 5' sensitivity radius ■ Adheres to glass being protected ■ Can be mounted anywhere on glass, at least 1" from glass frame ■ Built-in terminal strip for connecting hardwire contacts	■ 3.5 VDC 1/2 AA lithium battery ■ 5-8 year battery life ■ 10°-120°F operating temperature ■ Tamper switch ■ Supervisory report every 64 minutes ■ Belgian gray or brown ■ Glass mounting with adhesive pads (included) ■ 1.5" wide x 3.25" high x .88" deep	**34-026** 3.5 VDC 1/2 AA Lithium Battery **13-067** Glass Guard Adhesive Pad 50/pk

Crystal Fire & Smoke Sensors

Part	Description/Features	Specifications	Accessories
 Smoke Sensors **60-506-319.5** System Sensor Smoke Sensor 2100 RF **60-506-319.5-LB** System Sensor Smoke Sensor 2100 RF with Lithium Battery **NEW!** **60-645-95** System Sensor Smoke Sensor 2300 RF with Lithium Battery (pictured)	■ Produces an alarm and sends an alarm signal to the control panel when smoke is detected ■ Use in bedrooms, hallways, stairwells, etc. ■ Most suitable for detecting slow smoldering fires ■ Photoelectric smoke detector ■ Built-in siren ■ Built-in low battery annunciator 60-645: ■ Low battery signal sent to control panel 7 days prior to low battery chirp ■ Notifies user when sensor needs to be cleaned ■ Installer-serviceable chamber cleaning	■ 32°-100°F operating temperature ■ Tamper switch ■ Supervisory report every 64 minutes ■ White ■ Wall or ceiling mounting ■ 5.5" diameter x 2.5" deep 60-506: ■ Two 9 VDC alkaline or lithium batteries ■ 1 year alkaline battery life ■ 2 year lithium battery life 60-645: ■ Two 3V 2/3 A lithium batteries ■ 5 year battery life	**34-002** 9 VDC Eveready Energizer Alkaline Battery - UL listed **34-011** 9 VDC, 550 mAh, Duracell Alkaline Battery - UL listed **34-037** 9 VDC, 1.2 Ah, UltraLife Lithium Battery - UL listed **34-030** 3 VDC 2/3 A Lithium Battery
 Heat Sensors **60-460-319.5** Rate-of-Rise Heat Sensor **60-460-319.5-LB** Rate-of-Rise Heat Sensor with Lithium Battery	■ Responds to high temperatures or rapid temperature changes ■ Use in kitchens, bathrooms, garages, etc. ■ Provides detection in spaces up to 2,500 sq ft ■ Activates when temperature increases 15°F/minute or greater ■ Fixed temperature sensor activates at 135°F	■ One 9 VDC alkaline or lithium battery ■ 1 year alkaline battery life ■ 2 year lithium battery life ■ 40°-100°F operating temperature ■ Tamper switch ■ Supervisory report every 64 minutes ■ Belgian gray ■ Wall or ceiling mounting ■ 4.5" diameter x 2.25" deep	**34-002** 9 VDC Eveready Energizer Alkaline Battery - UL listed **34-011** 9 VDC, 550 mAh, Duracell Alkaline Battery - UL listed **34-037** 9 VDC, 1.2 Ah, UltraLife Lithium Battery - UL listed
 Fire Pull Station **60-589-319.5** Fire Pull Station Sensor	■ Allows a person to activate a fire alarm in the event of a fire ■ Use in residential or commercial sites ■ Manually activated ■ Built-in transmitter ■ Clear shield protects activation switch ■ Easily resets with key	■ 3.5 VDC 1/2 AA lithium battery ■ 5-8 year battery life ■ Manually activated ■ Reset with key (included) ■ 40°-100°F operating temperature ■ Supervisory report every 64 minutes ■ Red case ■ Wall mounting ■ 3.38" wide x 3.38" high x 1.88" deep	**34-026** 3.5 VDC 1/2 AA Lithium Battery

Crystal Environmental Sensors

Part	Description/Features	Specifications	Accessories
 Freeze Sensor **60-504-10-319.5** Freeze Sensor	■ Detects furnace failure in residential or commercial sites by detecting when the air temperature falls below 45°F ■ Use in climates where temperatures can drop below 32°F ■ Monitors the temperature in an open area up to 900 sq ft ■ Sends alarm signal to control panel when air temperature falls below 45°F ■ Sends restore signal to control panel when temperature increases to 55°-60°F	■ 3.5 VDC 1/2 AA lithium battery ■ 5-8 year battery life ■ 10° -120°F operating temperature ■ Tamper switch ■ Supervisory report every 64 minutes ■ Belgian gray ■ Flat surface mounting ■ 1.56" wide x 4.88" high x .94" deep	**34-026** 3.5 VDC 1/2 AA Lithium Battery **80-006-10** Belgian Gray Sensor Spacer 20/pk **80-006-11** Brown Sensor Spacer 20/pk
 Carbon Monoxide Sensor **60-658-95** ITI/American Sensors COS-200 Carbon Monoxide Gas Sensor	■ Detects hazardous levels of carbon monoxide gas ■ Internal siren sounds and red light comes on when dangerous levels of gas are present ■ Transmits alarm signal to control panel when dangerous levels of gas are present ■ Sensor adjusts response time to carbon monoxide levels present ■ Green light indicates detector is functioning properly ■ Plugs into standard outlet **Note:** Gases NOT detected: methane, butane, heptane, ethyl alcohol, isopropyl alcohol, carbon dioxide, and propane	■ 110 VAC @ 60 Hz, 7W power requirement ■ 102-132 VAC operating voltage ■ 2.5W average standby power ■ 3.5 VDC 1/2 AA lithium battery for transmitter ■ 5-8 year sensor battery life ■ 85 dB @ 10' for 4 minutes minimum internal siren output ■ Time and CO PPM present for alarm to sound: <15 minutes @ 400 PPM <35 minutes @ 200 PPM < 90 minutes @ 100 PPM ■ 40°-100°F operating temperature ■ Supervisory report every 64 minutes ■ White case, green label ■ 110 VAC grounded nonswitched outlet mounting ■ 6.5" wide x 3.5" high x 2.25" deep	**34-026** 3.5 VDC 1/2 AA Lithium Battery

Crystal Personal Emergency Sensors

Part	Description/Features	Specifications	Accessories
 Water-Resistant Panic Sensor **60-578-10-95** Water-Resistant Pendant Panic Sensor	■ Designed to go just about anywhere, this sensor allows a person to activate a 24-hour emergency alarm ■ Water resistant ■ Recessed panic button prevents false alarms ■ Can be worn around neck ■ Built-in belt clip allows sensor to be attached to belt or purse ■ Can be supervised ■ Wall mounting option	■ 3.5 VDC 1/2 AA lithium battery ■ 5-8 year battery life ■ Water and shock resistant ■ 40°-100°F operating temperature ■ Supervisory report every 64 minutes ■ Belgian gray, gray button ■ Necklace cord (included), belt clip (included), and wall mounting ■ 1.75" wide x 2.25" high x .75" deep	**34-026** 3.5 VDC 1/2 AA Lithium Battery **80-116** Wall Mount Bracket 5/pk
 Pendant Panic Sensor **60-452-10-319.5** Pendant Panic Sensor	■ Allows a person to wear the sensor and activate a 24-hour emergency alarm ■ Recessed panic button prevents false alarms ■ Can be worn around neck ■ Can be supervised	■ 3.5 VDC 1/2 AA lithium battery ■ 5-8 year battery life ■ 40°-100°F operating temperature ■ Supervisory report every 64 minutes ■ Belgian gray ■ Necklace (cord included) and belt holster mounting ■ 1.56" wide x 3.81" high x 1" deep	**34-026** 3.5 VDC 1/2 AA Lithium Battery **13-161** Black Leather Belt Holster
 Panic Sensors **60-457-10-319.5** Double Button Panic Sensor (pictured) **60-458-10-319.5** Single Button Panic Sensor	■ Allows a person to activate a 24-hour emergency alarm ■ **60-457:** Two buttons must be pressed together, reducing the likelihood of false alarms ■ **60-458:** Single button press for easy alarm activation ■ Can be supervised ■ Can be wall mounted	■ 3.5 VDC 1/2 AA lithium battery ■ 5-8 year battery life ■ 40°-120°F operating temperature ■ Supervisory report every 64 minutes ■ Belgian gray ■ Portable or wall mounting ■ 2.56" wide x 4" high x .94" deep	**34-026** 3.5 VDC 1/2 AA Lithium Battery

Crystal Sensor Receivers

Part	Description/Features	Specifications	Accessories

Repeater

60-615-10-319.5
Quik Bridge™ Learn Mode Repeater

Note:
Transformer and backup battery not included. Purchase backup battery, per specifications, from an electronics store.

- Receives and retransmits signals from Learn Mode sensors, touchpads, and other Repeaters to increase the distance a sensor can be mounted from the control panel
- Ideal for large installations where: 1) distant sensors perform poorly on the sensor test; 2) distant sensors cause supervisory problems; or 3) control panel antennas are shielded by metal
- Dual-antenna receiver for improved sensor data reception
- 24-hour backup battery option
- On board backup battery charging circuit
- Low backup battery report option
- AC power failure option
- Supervisory reports every 64 minutes
- Tamper switch

- 600' typical open-air range

Main power supplied by:

15-16.5 VAC, 2 VA transformer (required if backup battery is used), or

9-16.5 VAC, 2 VA transformer, or

12 VDC power supply

- 50 mA max current draw
- 24-hour backup with 12 VDC, 1.3 Ah lead-acid battery
- 319.5 MHz radio receiver and sensor
- Crystal-controlled superheterodyne radio receiver
- 40°-120°F operating temperature
- Tamper switch
- AC power failure report
- Supervisory report every 64 minutes
- Belgian gray
- ABS Plastic
- Flat surface mounting
- 4.125" wide x 5.25" high (+8.75" with antennas) x 1" deep
- 5.1 oz

Note:
A weatherproof case is available from Rose Enclosures (301-696-9800). Order part number 09122008-00.

SuperBus Touchpads

Part	Description/Features	Specifications	Accessories
 2-Line Hardwire Touchpads **NEW!** **60-661** SuperBus 2-Line LCD Alphanumeric Touchpad (pictured) **NEW!** **60-662** SuperBus 2-Line VFD Alphanumeric Touchpad **Notes** A SuperBus Alphanumeric Touchpad is required for system programming. SuperBus Alphanumeric Touchpads are compatible only with UltraGard.	■ Provides complete on-site programming and operational control of the system ■ 2 line display ■ 20 alphanumeric characters per line ■ Telephone style touchpad ■ Displays custom sensor names ■ Displays status messages ■ Keypad is backlit after first key press ■ 1 hardwire input loop ■ Built-in piezo provides alarm and status sounds ■ Display brightness control ■ Quick arm ■ Dual key panic buttons for false alarm reduction ■ Lights on/off button	■ 22-gauge stranded wire ■ 1 unsupervised hardwire loop ■ 32°-120°F operating temperature ■ Belgian gray ■ 7.7" wide x 4.6" high x 1" deep **60-661:** ■ 12 VDC @ 115 mA max current draw ■ Liquid crystal display **60-662:** ■ 12 VDC @ 120 mA max current draw ■ Vacuum fluorescent display	**49-283** Extra Cable Assembly
 1-Line Hardwire Touchpad **60-586-UG** SuperBus Alphanumeric Touchpad **Notes** A SuperBus Alphanumeric Touchpad is required for system programming. SuperBus Alphanumeric Touchpads are compatible only with UltraGard.	■ Provides complete on-site programming and operational control of the system ■ 1 line scrolling display ■ 16 alphanumeric characters ■ Displays custom sensor names ■ Displays status messages ■ Keypad is backlit after first key press ■ 1 hardwire input loop ■ Built-in piezo provides alarm and status sounds ■ Display brightness control ■ Quick arm	■ 12 VDC @ 100 mA max current draw ■ 22-gauge stranded wire ■ 1 unsupervised hardwire loop ■ 42°-95°F operating temperature ■ Belgian gray ■ Wall mounting ■ 8.44" wide x 5.31" high x 1.25" deep	**49-283** Extra Cable Assembly

Crystal Touchpads

Part	Description/Features	Specifications	Accessories
 Wall Mount Wireless Touchpad **60-453-10-95** HiTech Wall Mount Wireless Touchpad	■ Provides operational control of the system ■ Light control capability ■ Status report control ■ Bypass capability ■ Built-in piezo confirms key presses ■ Red LED confirms key presses ■ Quick arm	■ 3.5 VDC 1/2 AA lithium battery (included) ■ 5-8 year battery life ■ 10°-120°F operating temperature ■ Supervisory report every 64 minutes ■ Belgian gray ■ Wall mounting ■ 7.63" wide x 4.75" high x 1" deep	**34-026** 3.5 VDC 1/2 AA Lithium Battery
 Advanced Hand Held Touchpad **NEW!** **60-597-95** HiTech Hand Held Wireless Touchpad	■ Provides portable operational control of the system ■ Includes police, fire, and auxiliary panic buttons ■ Light control capability ■ Status report control ■ Bypass capability ■ Optional supervision reporting ■ Can be wall mounted ■ Quick arm ■ Red/Green key press indicator light ■ Convenient size and attractive styling	■ 3 VDC LMN02 2/3 A button top battery (included) ■ 5-8 year battery life ■ Supervisory report every 64 minutes ■ 10°-120°F operating temperature ■ Belgian gray ■ Portable or wall mounting (bracket included) ■ 2.1" wide x 6.1" high x .86" deep	**34-030** 3 VDC LMN02 2/3 A Button Top Battery **444-1252** HiTech Hand Held Wireless Touchpad Mounting Bracket
 Hand Held Touchpad **60-348-10-95** Hand Held Wireless Touchpad	■ Provides portable operational control of the system ■ Includes police panic button ■ Light control capability ■ Status report control ■ Bypass capability ■ Optional supervision reporting ■ Can be wall mounted ■ Quick arm	■ 3.5 VDC 1/2 AA lithium battery (included) ■ 5-8 year battery life ■ Supervisory report every 64 minutes ■ 10°-120°F operating temperature ■ Belgian gray ■ Portable or wall mounting (bracket included) ■ 2.56" wide x 2" high x .94" deep	**34-026** 3.5 VDC 1/2 AA Lithium Battery
 Key Chain Touchpads **60-606-319.5** 4-Button Keychain Touchpad (pictured) **60-607-319.5** 2-Button Keychain Touchpad	■ Provides portable operational control of the system ■ Includes a police panic button ■ Recessed buttons help prevent false alarms ■ Green LED confirms button presses ■ Programmable as sensor or touchpad 60-606: ■ Light control capability ■ Auxiliary panic button ■ Energy Saver control capability	■ 12 VDC, 33 mAh alkaline battery included ■ 5-8 year battery life ■ 10°-120°F operating temperature ■ Black ■ Key chain mounting (key chain ring included) ■ 1.4" wide x 2.25" high x .38" deep	**34-034** 12V 33 mAh Alkaline Battery **466-1050** 4-Button Keychain Touchpad Specification Sheet 50/pk **466-1072** 2-Button Key Chain Touchpad Specification Sheet 50/pk

Part	Description/Features	Specifications	Accessories
 Hardwire Interior Speaker **60-252** Hardwire Interior Speaker and Piezo	■ Produces both low volume status sounds and high volume siren sounds with voice alarm messages ■ Includes a speaker and piezo ■ Interior voice speaker annunciates all voice messages and alarms ■ Piezo activates for status and alarm sounds ■ Good for areas where system status and siren sounds need to be heard	■ 20W speaker output ■ 12 VDC @ 5 mA max current draw ■ 6-12 VDC @ 120 mA operating voltage ■ 10°-120°F operating temperature ■ Belgian gray ■ Recessed or surface mounting ■ 6 11/16" wide x 4 3/4" high x 2 3/8" deep	None
 Hardwire Exterior Speakers **13-060** 15 Watt RMS Exterior Horn Speaker **13-061** 30 Watt RMS Exterior Horn Speaker (pictured)	■ Produce alarm and status voice messages or alarm messages only ■ Good for large indoor and outdoor areas where voice feedback is needed ■ Status and alarm messages ■ Status messages can be turned off	■ 22-gauge stranded wire ■ 10°-120°F operating temperature ■ White ■ Wall mounting **13-060:** ■ 15W, 8 Ohms speaker output ■ 5 1/8" diameter x 5 7/8" deep **13-061:** ■ 30W, 8 Ohms speaker output ■ 8" diameter x 9 1/8" deep	None
 Hardwire Interior Siren **60-278** Hardwire Interior Siren and Piezo	■ Produces low volume status beeps and full volume alarm sounds ■ 85 dB alarm siren output ■ 2 high output piezo sirens for full volume alarm sounds ■ Separate piezo annunciator for low volume status beeps and alarm sounds	■ 85 dB max siren output ■ 12 VDC @ 75 mA max current draw ■ 6-12 VDC @ 60 mA operating voltage ■ 10°-120°F operating temperature ■ Belgian gray ■ Recessed or surface mounting ■ 6.69" wide x 4.75" high x 2.38" deep	None

Speakers & Sirens

Part	Description/Features	Specifications	Accessories
 Wireless Interior Siren **60-353-235** Wireless Interior Siren **Notes** Order backup battery separately. The control panel must be powered with the Line Carrier Transformer if Wireless Interior Sirens are installed.	■ Produces low volume status beeps and full volume alarm sounds without any wiring ■ Plugs into any 120 VAC wall outlet ■ Receives signals from the control panel over AC power lines ■ 3 status sound settings ■ Low battery warning ■ Supports 1 Hardwire Exterior Piezo Siren (13-046) ■ Status sounds can be turned off	■ 95 dB max siren output ■ 120 VAC power requirement ■ One 9 VDC alkaline, lithium, or NiCd backup battery (not included) ■ 6 VDC @ 120 mA max current draw on external siren terminals ■ 10°-120°F operating temperature ■ Belgian gray ■ 3.75" wide x 6" high x 1.5" deep	**34-002** 9V Eveready Energizer Alkaline Battery - UL listed **34-010** 9V Rechargeable NiCd Battery **34-011** 9V Duracell Alkaline Battery - UL listed **34-037** 9V UltraLife Lithium Battery **60-346-500** Line Carrier Transformer (required for control panel) **13-046** Hardwire Exterior Piezo Siren
 Phone Jack Siren **NEW!** **60-683** Phone Jack Siren (Flush Mounted)	■ Produces low volume status beeps and full volume alarm sounds without running any wires ■ Uses existing phone line wiring ■ Replaces an existing phone jack and provides a jack for a phone ■ Can be used with any wireless or hardwire system supplying 6-12 VDC ■ Status sounds can be turned off	■ 85 dB max siren output ■ 30 mA max current draw ■ 6-12 VDC @ 60 mA operating voltage ■ 10°-120°F operating temperature ■ Belgian gray ■ Wall mounting with back box or flush mounting with a single gang box ■ 2.88" wide x 6" high x 1.83" deep	None
 Hardwire Exterior Siren **13-046** Hardwire Exterior Piezo Siren	■ Produces full volume alarm sounds for large indoor and outdoor areas ■ Weatherproof housing ■ 115 dB alarm siren output ■ Only 145 mA max current draw	■ 115 dB max siren output ■ 12 VDC @ 145 mA max current draw ■ 6-12 VDC @ 98 mA operating voltage ■ 22-gauge stranded wire ■ 10°-120°F operating temperature ■ White ■ Wall mounting ■ 3.56" diameter x 3.25" deep	None

Part	Description/Features	Specifications	Accessories
 Two-Way Voice Module **60-677** Interrogator 200 Audio Verification Module **Notes** The Interrogator 200 is only compatible with UltraGard. The Interrogator 200 does not have a recording module option and does not have microphone mapping.	■ Gives the central station operator the ability to hear what is happening during an alarm and speak directly to the people on the premises ■ Auto Gain Control circuitry means microphone requires no adjustments ■ Up to 2 modules per control panel	■ 12 VDC @ 10 mA max current draw ■ 18-gauge stranded wire between speaker and control panel ■ 22-gauge stranded wire for all other wire runs ■ 40°-100°F operating temperature ■ Belgian gray ■ Recessed or surface mounting ■ 6.9" wide x 4.9" high x 2.5" deep	None
 Energy Saver Module **60-620** SuperBus Energy Saver Module **Note:** The SuperBus Energy Saver Module is only compatible with UltraGard.	■ Provides a money-saving and convenient way to monitor and control the premises heating and cooling temperature ■ Saves energy by overriding HVAC thermostat when user is gone ■ User controls temperature limits for day and nighttime HVAC thermostat control ■ Calibrates to premises thermostat ■ Built-in freeze sensor activates furnace and alarm signal when the air temperature falls to 45°F or to the programmed temperature ■ Built-in LED indicates proper communication to control panel	■ 12 VDC @ 20 mA max current draw ■ Built-in freeze sensor activates at 45°F (±6°F) ■ 22-gauge stranded wire ■ 42°-95°F operating temperature ■ Belgian gray ■ Wall mounting next to thermostat ■ 2.60" wide x 2.60" high x .90 in deep	None
 Input Module **60-584** SuperBus Hardwire Input Module **Note:** The SuperBus Hardwire Input Module is only compatible with UltraGard.	■ Provides up to eight additional hardwire zones ■ Hardwire sensors can be configured N/O or N/C ■ All zones supervised for open/short using 4.7K Ohm EOL resistor ■ Module cover tamper protection option ■ Built-in LED indicates proper communication to control panel ■ Up to 8 modules per panel	■ 12 VDC @ 18 mA max current draw ■ 8 inputs configure N/O or N/C ■ EOL supervision on each zone with 4.7K Ohm resistor ■ 200 mA, 250 VAC fuse ■ 32°-120°F operating temperature ■ Belgian gray ■ Tamper protection option ■ Wall mounting ■ 4.125" wide x 5.25" high x 1.0" deep	**33-017** 200 mA, 250 VAC Fuse 5/pk

Peripherals

Part	Description/Features	Specifications	Accessories
 Output Module **60-585** SuperBus Hardwire Output Module **Note:** The SuperBus Hardwire Output Module is only compatible with UltraGard version 2.0.	■ Provides up to four additional hardwire outputs for home automation and security applications ■ "Form C" relays can be configured N/O or N/C ■ Module cover tamper protection option ■ Built-in LED indicates proper communication to control panel ■ Up to 8 modules per panel	■ 12 VDC @ 11 mA typical (idle) or 91 mA max (all relays energized) current draw ■ 4 outputs configure N/O or N/C ■ 32°-120°F operating temperature ■ Belgian gray ■ Tamper protection option ■ Wall mounting ■ 4.125" wide x 5.25" high x 1.0" deep	**33-017** 200 mA, 250 VAC Fuse 5/pk
 Light Control Module **NEW!** **13-403** X-10 Pro Lamp Module **Note:** The control panel must be powered with the Line Carrier Transformer if X-10 Modules are installed.	■ Provides system and user control of lamps (up to 300W) ■ Communicates through existing AC wiring; no additional wiring needed ■ Turns lights on during a fire or auxiliary alarm ■ Blinks lights during police alarm ■ Blinks lights to indicate arming level ■ Turns lights on for 5 minutes when system is armed/disarmed ■ Individual light control	■ For use with 300W max incandescent lights only ■ 120 VAC @ 60 Hz power requirement ■ White ■ 2.25" wide x 2.75" high x 1.25" deep	**60-346-500** Line Carrier Transformer (required for control panel)
 Appliance Control Module **NEW!** **13-402** X-10 Pro Appliance Module **Note:** The control panel must be powered with the Line Carrier Transformer if X-10 Modules are installed.	■ Provides system and user control of appliances and lamps (up to 500W) ■ Communicates through existing AC wiring; no additional wiring needed ■ Individual appliance control ■ Does not change state during a fire or auxiliary alarm ■ Turns off plugged-in device during a police alarm	■ 120 VAC @ 60 Hz power requirement ■ For use with 500W max incandescent lights ■ 1/3 HP max motors ■ 15A coffee pots, etc. ■ White ■ 2.25" wide x 2.75" high x 1.25" deep	**60-678** Line Carrier Transformer (required for control panel)

Sales, Print, & Video Materials

Part	Description/Features
Sales Demonstration Kit **80-200** UltraGard Demonstration Kit	■ Provides an effective way to demonstrate UltraGard to business and residential customers **Kit includes:** ■ Operational control panel with custom demonstration software ■ A SuperBus 2-Line LCD Alphanumeric Touchpad ■ 2 Belgian Gray Door/Window Sensors ■ An Interrogator 200 Audio Verification Module ■ A 4-Button Keychain Touchpad ■ A System Sensor Smoke Sensor ■ A Water-Resistant Pendant Panic Sensor ■ Plastic cases for the Slim Line Door/Window Sensor, Recessed Door/Window Sensor, and Shock Sensor ■ Black carrying case ■ 19" wide x 14" high
Four-Color Large Brochure **466-1193** UltraGard Large Brochure	■ Provides an expanded overview of UltraGard features and benefits for business and residential customers ■ Four-color ■ Glossy ■ 8 1/2" x 11" ■ 8 pages ■ 50/pk
Four-Color Small Brochure **466-1195** UltraGard Small Brochure	■ Provides a condensed overview of UltraGard features and benefits for business and residential customers ■ Four-color ■ Glossy ■ 3" wide x 8" high ■ 1 page, tri-fold ■ 50/pk

Part	Description/Features
Four-Color Highlights Sheet **466-1194** UltraGard System Highlights	■ Provides a four-color ad reprint on one side and highlights of UltraGard features and benefits on the other side ■ Four-color ■ Glossy ■ 8 1/2" x 11" ■ 1 page, 2-sided ■ 100/pk
Two-Color "Why Wireless?" Brochure **466-1187** "Why Wireless?" Large Brochure	■ Provides information on the advantages of wireless security systems over hardwire security systems for business and residential customers ■ Two-color ■ Glossy ■ 8.5" wide x 11" high ■ 4 pages ■ 50/pk
Product Family Drawing **466-1199** UltraGard Product Family	■ Provides a pictorial representation of the components available for UltraGard. Part numbers are included, making it a useful quick reference aid when ordering ■ White paper ■ 8 1/2" x 11" ■ 1 page, 1-sided ■ 1/pk

Sales, Print, & Video Materials

Part	Description/Features
Specification Sheet **466-1116** UltraGard Specification Sheet	■ Provides an overview of and technical specifications for UltraGard ■ One-color ■ Matte ■ 8.5" wide x 11" high ■ 1 page, 2-sided ■ 50/pk
Pocket Guides **466-1035-TPD** Security and Home Automation Touchpad Operation Pocket Guide **466-1035-PHO** Security and Home Automation Phone Operation Pocket Guide	■ Provides a quick reference to operating commands for UltraGard from a SuperBus Alphanumeric Touchpad or a Touch-tone phone ■ Two-color ■ Laminated ■ 3" wide x 6" high ■ 1 page, 2-sided
Installation Instructions **466-1034-01-ITI** UltraGard and Custom Versions Installation Instructions	■ Provides procedures necessary to install, set up, and program UltraGard ■ 3-hole punched ■ 8.5" wide x 11" high ■ 50 pages ■ 1 included with each control panel
Reference Manual **86-008-ITI** UltraGard and Custom Versions Security and Home Automation Reference Manual	■ Provides detailed information and procedures necessary for an installer to plan, install, program, and test UltraGard. Order this manual to review complete installation procedures and to use for reference at each installation site. ■ 60 lb white paper ■ Shrink-wrapped ■ 3-hole punched ■ 81/2" x 11" ■ 200 pages

Part	Description/Features
Wireless Sensors Brochure **46-194** We Make A Lot of Sense	■ Provides an overview of some wireless sensors available and their applications ■ Four-color ■ Glossy ■ 3" wide x 9" high when folded (unfolded 24" wide x 9" high) ■ 1 page, 2-sided ■ 25/pk
Owner's Manual **466-1041-01-ITI** UltraGard Security and Home Automation Owner's Manual	■ Provides complete operating instructions for UltraGard ■ 60 lb white paper ■ Tabbed sections ■ Spiral binding ■ 7" wide x 8" high ■ 150 pages ■ 1 included with each control panel
Installation Video **466-1185-01** UltraGard Installation Training Video	■ Provides installation and programming information for the novice installer on UltraGard. This video should be viewed with the UltraGard Installation Instructions (included with each control panel). ■ 50 minutes ■ Full color
Owner's Video **466-1134-01** UltraGard Video Owner's Guide	■ Provides an overview and basic instructions for operating UltraGard. A Video Owner's Guide is included with each UltraGard Control Panel. ■ 15 minutes ■ Full color

Ordering & Returning Products

Orders

Orders typically ship within one working day. Orders become effective only when accepted by ITI upon shipment or written confirmation.

To Order by Phone:
Call Customer Service at 800-777-4841
Monday-Friday, 7:00 am-7:00 pm CT

To Order by Fax:
800-777-4842
7 days a week, 24 hours a day

Returns

Prior to returning merchandise, you must call ITI Customer Service to obtain a Return Merchandise Authorization (RMA) number. For repairs or credits, call Customer Service. If a product is defective when received, and you want the product replaced, call ITI Technical Services for an *advanced replacement authorization*, then speak to Customer Service to get an return merchandise authorization (RMA) number. When returning merchandise, the RMA number must be clearly marked on the outside of the shipping carton.

For Credits or Repairs:
Call Customer Service at 800-777-4841
Monday-Friday, 7:00 am-7:00 pm CT

For an Advanced Replacement or Technical Information:
Call Technical Services at 800-777-2624
Monday-Friday, 7:00 am-8:00 pm CT

To Return Merchandise with an RMA Number:*
ITI
2266 North 2nd Street
North St. Paul, MN 55109-2900

* Write the RMA number on the outside of the shipping carton.

Terms & Conditions

Terms

Payment options include MasterCard®/Visa®, prepay, or COD until credit is established. Terms available by contacting ITI Credit. Full description of terms provided on request and when an account is established with ITI.

Sales Tax

Applicable sales tax is charged unless a Certificate of Exemption is on file with ITI. GST is added to orders shipped to Canada.

Shipping

Shipments leave daily from our warehouses via UPS or best way. Air shipment services are available upon request at the time of order. All shipments are F.O.B. ITI's warehouse.

Pick-Up

Arrangements can be made to pick up orders at the nearest regional warehouse. Please indicate your order as a *Will Call* at the time you place the order. Place order 24 hours prior to your planned pick-up time.

Claims

Title is passed to customer upon delivery of the order to a common carrier or authorized agent. All damage claims must be turned in to the shipping company by the customer receiving the goods. Original shipping cartons must be saved as claims are typically not processed without them. Claims must be made within 5 days of receipt of merchandise.

Warranty

ITI's current warranty policies are honored. See the ITI Limited Warranty for details.

Right to Purchase

You must be an authorized ITI dealer to purchase products from ITI. Possession of this document does not constitute the right to purchase.

Minimum Order

New dealers may have an initial purchase requirement.

International Sales

All international sales are made through ITI International, Inc., F.O.B. St. Paul, MN, USA. All prices quoted are payable in United States dollars.

Notices

Disclaimer

All prices, terms, and specifications are subject to change without notice. Prices in effect at time of shipment will apply.

Trademarks

ITI, CareTaker, SX-V, Commander 2000, Magic Key, Interrogator, and LightGard are registered trademarks of Interactive Technologies, Inc.
UltraGard, ITI ToolBox, Learn Mode, SuperBus, and Quik Bridge are trademarks of Interactive Technologies, Inc.
American Sensors is a trademark of American Sensors.
Duracell is a registered trademark of Duraname Corporation.
Eveready and Energizer are registered trademarks of Eveready Battery Company, Inc.
Hayes is a trademark of Hayes Microcomputer Products, Inc.
IBM is a registered trademark of International Business Machines Corporation.
IntelliSense is a trademark of IntelliSense.
Litton is a registered trademark of Litton Industries, Inc.
MasterCard is a registered service mark of MasterCard International Inc.
MS-DOS is a registered trademark of Microsoft Corporation.
Okidata is a registered trademark of Oki Electric Industry Company.
Pro is a trademark of X-10 (USA), Inc.
Proxima is a registered trademark of Proxima Corporation.
System Sensor is a trademark of Pittway Corporation.
UltraLife is a registered trademark of UltraLife Batteries, Inc.
Visa is a registered service mark of Visa U.S.A. Inc.
Windows is a registered trademark of Microsoft Corporation.
X-10 is a registered trademark of X-10 (USA), Inc.

Contacting ITI

	Phone	Fax
Advanced Replacement RMAs	800-777-2624	N/A
Corporate Offices	800-777-5484	612-779-4890
Credit	800-777-5484	800-773-4633
Customer Service: Orders & Repair RMAs	800-777-4841	800-777-4842
Field & Inside Sales	800-777-1415	612-773-2404
Technical Services	800-777-2624	612-779-4888
Training	800-777-8166	800-777-4842
Web Site	www.securitypro.com	

Configuration Notes

Index by Product Part Number

13-005 Belgian Gray Surface Mount Litton® Shock Detector SP3237 13
13-011 Brown Surface Mount Litton Shock Detector SP3237 13
13-046 Hardwire Exterior Piezo Siren 22
13-060 15 Watt RMS Exterior Horn Speaker 21
13-061 30 Watt RMS Exterior Horn Speaker 21
13-067 Glass Guard Adhesive Pad 14
13-161 Black Leather Belt Holster 17
13-214 Litton Shock Detector 13
13-215 Belgian Gray Litton Recessed Mount Shock Detector 13
13-227 Proxima Surge Suppressor 9
13-248 12V, 6.5 Ah Backup Battery 9
13-286 DS924 70' Long Range Lens 12
13-287 DS924 78° x 35' Pet Lens 12
13-288 DS924 110° x 35' Wide Angle Lens 12
13-318 DS924 35' Barrier Lens 12
13-319 DS924 85° x 70' Dual Corridor Lens 12
13-320 DS924 10° x 70' Long Range Pet Lens 12
13-332 IntelliSense Sound Sensor Tester 13
13-352 Okidata Printer 9
13-359 DS924 Mounting Bracket 12
13-402 X-10 Pro Appliance Module 24
13-403 X-10 Pro Lamp Module 24
33-017 200 mA, 250 VAC Fuse 23, 24
34-002 9 VDC Eveready Energizer Alkaline Battery 13, 15, 22
34-010 9V Rechargeable NiCd Battery 22
34-011 9 VDC, 550 mAh, Duracell Alkaline Battery 13, 15, 22
34-026 3.5 VDC 1/2 AA Lithium Battery 11, 12, 13, 14, 15, 16, 17, 20
34-030 3 VDC LMN02 2/3 A Button Top Battery 15, 20
34-034 12V 33 mAh Alkaline Battery 20
34-037 9 VDC, 1.2 Ah, UltraLife Lithium Battery 13, 15
34-037 9V UltraLife Lithium Battery 22
34-043 3V 190 mAh Coin Lithium Battery 11
40-149 Brown Steel Door Magnet Adapter 12
40-297 Belgian Gray Steel Door Magnet Adapter 12
444-1252 HiTech Hand Held Wireless Touchpad Mounting Bracket 20
46-056 Installation and Operator's Guide 9
46-081 CS-4000 Full Color Brochure 9
46-194 We Make A Lot of Sense 26
466-1034 UltraGard and Custom Versions Installation Instructions 26
466-1035-PHO Security and Home Automation Phone Operation Pocket Guide 26
466-1035-TPD Security and Home Automation Touchpad Operation Pocket Guide 26
466-1041-ITI UltraGard Security and Home Automation Owner's Manual 26
466-1045 Door/Window Sensor Specification Sheet 11
466-1048 Long-Life Door/Window Sensor Specification Sheet 11
466-1050 4-Button Keychain Touchpad Specification Sheet 20
466-1072 2-Button Key Chain Touchpad Specification Sheet 20
466-1116 UltraGard Specification Sheet 26
466-1134-10 UltraGard Video Owner's Guide 26
466-1145 DS924i PIR Specification Sheet 12
466-1185-01 UltraGard Installation Training Video 26
466-1187 "Why Wireless?" Large Brochure 25
466-1193 UltraGard Large Brochure 25
466-1194 UltraGard System Highlights 25
466-1195 UltraGard Small Brochure 25
466-1199 UltraGard Product Family 25
466-1211 Micro Door/Window Sensor Specification Sheet 11
60-188 Belgian Gray Sensor Magnet Spacer 11
60-189 Belgian Gray Sensor Spacer 11
60-190 Brown Sensor Magnet Spacer 11
60-191 Brown Sensor Spacer 11
60-252 Hardwire Interior Speaker and Piezo 21
60-260 Belgian Gray Sensor Case 11
60-261 Brown Sensor Case 11
60-267 Belgian Gray Sensor Case 13
60-268 Brown Sensor Case 13
60-278 Hardwire Interior Siren and Piezo 21
60-346-500 Line Carrier Transformer 22, 24
60-348-10-95 Hand Held Wireless Touchpad 20
60-353-235 Wireless Interior Siren 22
60-362-10-319.5 Belgian Gray Door/Window Sensor 11
60-362-11-319.5 Brown Door/Window Sensor 11
60-386-10 Belgian Gray Sensor Case 12
60-386-11 Brown Sensor Case 12
60-409-10-319.5 Belgian Gray Recessed Door/Window Sensor 12
60-409-11-319.5 Brown Recessed Door/Window Sensor 12
60-417 Phone Line and Power Fault Annunciator Module 9
60-452-10-319.5 Pendant Panic Sensor 17
60-453-10-95 HiTech Wall Mount Wireless Touchpad 20
60-457-10-319.5 Double Button Panic Sensor 17
60-458-10-319.5 Single Button Panic Sensor 17
60-459-319.5 Sound Sensor 13
60-460-319.5 Rate-of-Rise Heat Sensor 15
60-460-319.5-LB Rate-of-Rise Heat Sensor with Lithium Battery 15
60-461-10-319.5 Belgian Gray Shock Sensor 13
60-461-11-319.5 Brown Shock Sensor 13
60-462-10-319.5 Belgian Gray Glass Guard Sensor 14
60-462-11-319.5 Brown Glass Guard Sensor 14
60-499-10-319.5 Belgian Gray Slim Line Door/Window Sensor 12
60-499-11-319.5 Brown Slim Line Door/Window Sensor 12
60-504-10-319.5 Freeze Sensor 16
60-506-319.5 System Sensor Smoke Sensor 2100 RF 15
60-506-319.5-LB System Sensor Smoke Sensor 2100 RF with Lithium Battery 15
60-511-01-95 DS924i PIR Motion Sensor 12
60-555-10 Belgian Gray Magnet 11
60-555-11 Brown Magnet 11
60-578-10-95 Water-Resistant Pendant Panic Sensor 17
60-582-10-319.5 IntelliSense Dual Disturbance Sound Sensor 13
60-584 SuperBus Hardwire Input Module 23
60-585 SuperBus Hardwire Output Module 24
60-589-319.5 Fire Pull Station Sensor 15
60-597-95 HiTech Hand Held Wireless Touchpad 20
60-606-319.5 4-Button Keychain Touchpad 20
60-607-319.5 2-Button Keychain Touchpad 20
60-615-10-319.5 Quik Bridge Learn Mode Repeater 18
60-619 3.5 VDC AA Lithium Battery 13
60-620 SuperBus Energy Saver Module 23
60-641-11-95 Brown Long-Life Door/Window Sensor 11
60-641-95 Belgian Gray Long-Life Door/Window Sensor 11
60-645-95 System Sensor Smoke Sensor 2300 RF with Lithium Battery 15
60-658-95 ITI/American Sensors COS-200 Carbon Monoxide Gas Sensor 16
60-675-WIN ITI ToolBox for Windows 3.5 8
60-677 Interrogator 200 Audio Verification Module 23
60-678 Line Carrier Transformer 24
60-683 Phone Jack Siren 22
60-688-11-95 Brown Micro Door/Window Sensor 11
60-688-95 Belgian Gray Micro Door/Window Sensor 11
60-726 CS-4000 Central Station Memory Module Kit Version 6.1 9
60-729 Belgian Gray Magnet 11
60-729-11 Brown Magnet 11
60-761 Micro Door/Window Sensor Terminal Block 11

Index by Product Part Number

80-006-10 Belgian Gray Sensor Spacer 13, 16
80-006-11 Brown Sensor Spacer 13, 16
80-089-10 Belgian Gray Sensor Case 12
80-089-11 Brown Sensor Case 12
80-116 Wall Mount Bracket 17
80-200 UltraGard Demonstration Kit 25
86-008-ITI UltraGard and Custom Versions Security and Home Automation Reference Manual 26

Index by Description

A

Access Codes 5
Appliance Control Module 24
Applications 1

B

Battery
  Control Panel Backup 8
Brochures, Manuals, & Specification Sheets 25

C

Carbon Monoxide Sensor 16
CareTaker Plus
  Compatible Products 2
  Feature Comparison List 4
Commander 2000
  Compatible Products 2
  Feature Comparison List 4
Central Station 1, 5, 9
CS-4000 Central Station Receiver 1, 5, 9

D

Demonstration Kits 25
Door/Window Sensors
  Door/Window 11
  Long-Life 11
  Micro 11
  Recessed 12
  Slim Line 12
Downloader 8

E

Energy Saver Module 23
Environmental Sensors
  Freeze 16
  ITI/American Sensors COS-200 Carbon Monoxide Gas 16
Event Buffer 5, 7

F

Features 7
Fire Pull Station 15
Freeze Sensor 16

G

Glass Break Sensors 14

H

Hardwire Input Module 23
Hardwire Output Module 24
Heat Sensors 15
Home Automation 1, 24

I

Input Module 23
Installation Instructions 26
Interrogator 200 23
ITI ToolBox 5, 8

L

Learn Mode Technology 1
Light Control 1, 4, 5, 7, 24

M

Motion Sensors
  DS924i PIR 12

O

Orders 27
Output Module 24
Owner's Manual 26

P

Panic Sensors
  Double Button 17
  Pendant 17
  Single Button 17
  Water-Resistant Pendant 17
Programming 5

R

Range 5
Reference Manual 26
Repeater
  Quik Bridge Learn Mode 18
Reporting Capabilities 1
Returns 27

S

Sales, Print, & Video Materials 25
Sensor Groups 1
Shock Sensors 13
Sirens
  Hardwire Exterior 22
  Hardwire Interior 21
  Phone Jack 22
  Wireless Interior 22
Smoke Sensors
  System Sensor 2100 RF 15
  System Sensor 2300 RF 15
Sound Sensors
  IntelliSense Dual Disturbance 13
  Sound 13
Speakers
  15 Watt RMS Exterior Horn Speaker 21
  30 Watt RMS Exterior Horn Speaker 21
  Hardwire Interior Speaker and Piezo 21
SuperBus
  Energy Saver Module 23
  Hardwire Input Module 23
  Hardwire Output Module 23
  Introducing 1
  Touchpads 19
SX-V Special
  Compatible Products 2
  Feature Comparison List 4

Index by Description

T

Telephone control 5

Touchpads
- 1-Line Alphanumeric 19
- 2-Button Keychain 20
- 2-Line LCD Alphanumeric 19
- 2-Line VFD Alphanumeric 19
- 4-Button Keychain 20
- Hand Held Wireless 20
- HiTech Hand Held Wireless 20
- HiTech Wall Mount 20

Transformers
- 16.5 VAC 7, 8
- Line Carrier 7,8

Two-Way Voice 1, 23

U

UltraGard
- Compatible Products 2
- Feature Comparison List 4

V

Videos
- Installation 26
- Owner's 26

W

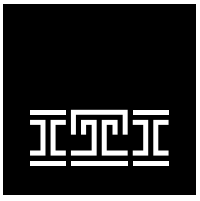
Wireless Interior Siren 7, 8, 22

X

X-10
- Pro Appliance Module 24
- Pro Lamp Module 24

Z

Zones 5



WIRELESS

Security
Automation
Access Control

Interactive Technologies, Inc.
2266 second street north
north saint paul, mn 55109

©Interactive Technologies, Inc. May 1997
Specifications subject to change.
Some features are optional.
Document Number 466-1242-UGV ersion B