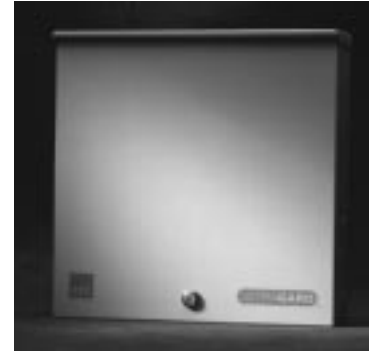


Interactive Technologies, Inc.



File: Panels

ITI Part # 60-650-95

Overview

UltraGard is a full-featured, wireless security system that uses advanced technology for burglary and fire detection. These advances add flexibility and reliability, making UltraGard a dependable security system that is both easy to install and simple to use.

UltraGard can handle virtually any security needs, big or small. With a 76-zone capacity and more than 20 types of wireless sensors to choose from, UltraGard can be used for large, complex settings. UltraGard's wireless technology adds more flexibility that lets you place sensors where you need them.

UltraGard is quick and easy to install thanks to ITI's patented Learn Mode™ technology, which eliminates cumbersome sensor programming. The system can be installed faster than a conventional hardwired system, without the usual inconvenience and potential for property damage.

UltraGard security systems can be operated from a touch-tone phone, both on- and off-site. Digitized voice messages inform system users of the current status, reassuring them the system is operating correctly. Also available for system programming and operation are a variety of SuperBus™ alphanumeric touchpads that display simple messages to guide installers and users through system use.

UltraGard includes built-in capabilities for easy system expansion. By adding optional modules, you can even control lighting and temperature.

Features

UltraGard features include the following:

- v Wireless and hardwire capabilities in one system
- v 76 individual sensor zones, up to 70 hardwire zones—6 built-in and 64 more when optional SuperBus Hardwire Input Modules are added
- v Compatibility with all ITI wireless Learn Mode sensors and touchpads
- v System Sensor Smoke Sensor 2300RF expanded feature support (tamper alarm, pre-alarm/dirty chamber signal, test sensor in any protection level)
- v 24 user-programmable access codes
- v 32-event history buffer
- v SuperBus Hardwire Output Module (HOM) compatibility
- v Keyswitch arming using a wireless or hardwire zone
- v On- and off-site telephone control with digitized-voice feedback
- v Chime feature for monitoring door and window activation
- v Individual light control from touchpads or phone (requires optional X-10® Lamp Modules and Line Carrier Transformer)
- v Interrogator® 200 compatibility for two-way voice listen-in/talk-back
- v Premises temperature control (requires optional Energy Saver Module)

Power Supply

Required Transformer	Class II, 16.5 VAC, 60 Hz (60-679) or Line Carrier Transformer (60-678)
Backup Battery	12 VDC, 4 Ah or 12 VDC, 6.5 Ah rechargeable, sealed, lead-acid
Battery Backup Time	24 hours (fully charged)
Battery Test	15 minutes under load every 24 hours
Fuse	Non-replaceable transformer fuse

Radio Receiver

Type	Crystal-controlled superheterodyne with spatial diversity
Frequency	319.5 MHz
Bandwidth	40 kHz
Sensitivity	-112 dBm nominal
Nominal Range	2,500 ft (762 m) open-air receiving range

Telephone/Modem

Dialing	DTMF or pulse
Modem	Modified Bell 103 (110 or 300 bps) or 4/2 format (20 bps)
Fail-to-Communicate Output	Provides a backup for phone communications by tripping a wireless transmitter ("Buddy" or emergency transmitter)
Telephone Interface	Line seizure relay

Inputs/Outputs

Total Input Zones	76
Auxiliary Power Outputs	Regulated, fused 12 VDC output at 750 mA (maximum) Unregulated, fused 12-22 VDC output at 750 mA (maximum)
Hardwire Bus Devices	Up to 8 devices (requires 4-conductor cable)

Microprocessor

Processor Type	Mitsubishi M38067 (8-bit RISC)
Processor Clock	8 MHz
System ROM	48 kilobytes
System RAM	1 kilobyte
Memory Retention	Unlimited duration (8 kilobytes EEPROM)

Digitized Voice

Digitization Type	Adaptive Differential Pulse Coded Modulation (ADPCM)
Playback Rate	20,833 bits/second (varies by word)
Vocabulary Size	39 words (approximately 24 seconds)

Environmental

Operating Temperature	40°F (4°C) to 100°F (38°C)
Maximum Humidity	70% relative humidity, noncondensing
Standards	FCC Part 15, FCC Part 68 UL Listings 985 and 1023

Physical Description

Color	Gray (Pantone 5315)
Dimensions	14.5" (36.8 cm) wide x 14.5" (36.8 cm) high + two 9" antennas x 3.0" (7.6 cm) deep
Weight	5 lbs, 6 oz (2.4 kg)
Installation	Wall mounting
Chassis Material	.048-in (1.2-mm) 16-gauge steel, punched and formed

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Specifications are subject to change without notice.

Ordering Information

ITI Part # 60-650-95

ITI Document # 466-1116 Rev. E

(Spec Sheets available in quantities of fifty)

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