



W I R E L E S S

Security
Automation
Access Control

Interactive Technologies, Inc.

Simon™ Security System Control Panel



File: Panels

ITI Part # 60-693-95

Overview

The Simon™ Security System is designed to provide a low cost security panel that can monitor wireless sensors. It installs easily and will provide years of reliable burglary and fire protection and home automation control.

With its built-in touchpad and status speaker, and voice messages for user feedback, Simon is well-suited for homes, apartments, and condominiums.

Simon is designed to be a monitored security system and/or send messages to a numeric pager.

With its latchkey capabilities, the panel can be programmed to call the homeowner at the office if children don't arrive home and disarm the system as pre-scheduled.

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

Simon includes built-in capabilities for easy system expansion. By adding optional modules, the user can even control lighting and open a garage door.

Features

Simon features include the following:

- v 17 individual sensor zones with options for up to 2 hardwire zones
- v 319.5 MHz SAW receiver will support all of ITI's sensor line (except for the CO Detector)
- v 5 user-programmable access codes
- v Chime feature for monitoring door and window activation
- v Up to 8 Individual light or appliance control units can be installed and controlled from touchpads (requires optional X-10® Lamp Modules and Line Carrier Transformer)
- v Indoor and outdoor motion sensors
- v Central station or numeric pager reporting
- v Event buffer with a time stamp
- v Panel voice and panel beeps can be disabled
- v The control panel can be programmed using ITI's Downloader
- v SAW sensors which allow the home owner to change the alkaline batteries
- v A four button keychain touchpad capability which adds user convenience

Power Supply

Required Transformer	Class II, 9 VAC, 60 Hz (22-091)
Backup Battery	9 VDC, 1.2 Ah UltraLife Lithium (34-037)
Battery Backup Time	24 hours (fully charged)
Battery Test	15 seconds under load every 4 hours
Fuse	Non-replaceable transformer fuse

Radio Receiver

Type	SAW-Controlled Superheterodyne
Frequency	319.5 MHz
Bandwidth	350 kHz
Sensitivity	-112 dBm nominal
Nominal Range	500 ft (150 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)
Telephone Interface	Line seizure relay

Inputs/Outputs

Total Input Zones	17
Auxiliary Power	Regulated, fused 7-12 VDC output at 250 mA (maximum)
Siren Outputs	Hardwire Interior Siren (HIS) output and Hardwire Exterior Siren (HES) output (7-12 V)

Microprocessor

Processor Type	Mitsubishi M37471
Processor Clock	8 MHz
System ROM	16 kilobytes
System RAM	384 bytes
Memory Retention	Unlimited duration (256 bytes EEPROM)

Digitized Voice

Digitization Type	Linear Predictive Coding (LPC)
Playback Rate	16,000 bits/second (varies by word)
Vocabulary Size	212 words (approximately 90 seconds)

Environmental

Operating Temperature	32°F (0°C) to 122°F (50°C)
Maximum Humidity	85% relative humidity, noncondensing
Standards	FCC Part 15, FCC Part 68 UL Listings 985, 1023

Physical Description

Color	Belgian Gray
Dimensions	7.5 in wide x 9.5 in length x 1..5 in high
Weight	1 lbs,9.6 oz
Installation	Wall and table mounting
Chassis Material	ABS

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Specifications are subject to change without notice.

Ordering Information

ITI Part # 60-693-95

ITI Document # 466-1390 (Rev. A)

(Spec Sheets available in quantities of fifty)

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