



W I R E L E S S

Security
Automation
Access Control

Interactive Technologies, Inc.

Simon™

Security System Control Panel



File: Panels

Overview

ITI Part # 60-776-95R/60-776-01-95R

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.

The user can arm and disarm the system, activate latchkey, activate no entry delay, toggle lights, or check the system status using remote phone control.

With its latchkey capabilities, the panel can be programmed to call the homeowner's pager 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.

The wall-mounted wireless Simon Touchtalk 2-Way RF Touchpad combines a conventional ITI Learn Mode™ touchpad with an RF receiver, speech chip, and voice amplification circuit.

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

Simon can be installed with or without audio verification on-board the control panel. One remote audio verification module may be added to the security system to give the user additional security and emergency contact with the central monitoring station.

Features

Simon features include the following:

- v 24 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 (SAW and Crystal devices)
- v 5 user-programmable access codes
- v Chime feature for monitoring door and window activity
- v Up to 8 Individual light or appliance control units can be installed and controlled from touchpads (requires optional X-10® Lamp Modules)
- v Indoor and outdoor motion sensors
- v Central station and/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 off-site using the ITI ToolBox
- v SAW sensors which allow the home owner to change the alkaline batteries
- v Four button keychain touchpad capability

Power Supply

Required Transformer	Class II, 9 VAC, 60 Hz (22-091-ITI)
Backup Batteries	9 VDC, 1.2 Ah UltraLife Lithium (34-037) - 24 hours (fully charged) 7.2 VDC, 1 Ah Nickel Metal Hydride Rechargeable (34-052) - 30 hours - UL approved 7.2 VDC, 650mAH Nickel Metal Hydride Rechargeable (34-051) - 18 hours - not UL approved
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)
Telephone Interface	Line seizure relay

Inputs/Outputs

Total Input Zones	24
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 M38024M6-SP
Processor Clock	7.68 MHz
System ROM	24 kilobytes
System RAM	640 bytes
Memory Retention	Unlimited duration (512 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 # 60-776-95R/60-776-01-95R

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