Simon Control Panel

ITI Part No.: 60-776-95R
60-776-01-95R

*Affordable,
Reliable Security
Featuring ITI
Learn Mode
Technology*

Overview

The Simon™ Security System delivers a low-cost security panel designed to provide years of reliable burglary detection, fire protection, and home automation control. With a built-in touchpad and a status speaker that provides voice messages for feedback, Simon is well-suited for houses, apartments, and condominiums.

Outstanding Features

Simon is quick and easy to install thanks to patented ITI Learn Mode™ technology that eliminates cumbersome sensor programming. 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. Using remote phone control, you can arm and disarm the system, control system lights, check system status, activate no entry delay, or activate latchkey. With latchkey capabilities, you can program the panel to dial a pager phone number in the event that the system has not been disarmed at a scheduled time.

Standard Features

- 24 individual sensor zones with options for up to 2 hardwire zones
- 319.5 MHz SAW receiver will support all ITI Crystal and SAW sensor line devices
- 5 user-programmable access codes
- Chime feature for monitoring door and window activity
- Indoor and outdoor motion sensors
- Central station and numeric pager reporting
- Event buffer with a time stamp
- Panel voice and panel beeps can be disabled
- Settings and new accounts can be programmed from off-site using ITI ToolBox
- SAW sensors with user-replaceable alkaline batteries
- 4-button keychain touchpad capability

Expansion Options

- Up to eight individual light or appliance control units can be installed and controlled from touchpads (requires X-10® Lamp Modules or appliance modules)
- An X-10 Universal module is necessary for garage door opener control

Touchpad Options

- HiTech Handheld Touchpad
- 2-button and 4-button SAW and Crystal Keychain Touchpads
- TouchTalk 2-Way RF Talking touchpad
- Wall-mount panel
- Optional table-mounting base

Easy Expansion

With built-in capabilities for easy system expansion, Simon is enhanced through the addition of optional modules that perform such functions as controlling lighting and opening a garage door.

Enhanced Monitoring

Simon can be a monitored security system that sends messages to a central monitoring station or a numeric pager carried by a designated user. One remote Interrogator® 200 module may be added to the system to provide additional security and emergency contact with the central monitoring station.

Effortless Programming

Programming is a simple procedure that is done on-site with the built-in touchpad or off-site with ITI ToolBox® downloader software (versions 4.3 and later).

Security
Automation
Fire Protection
Access Control

ITI

Simon Family Literature

Product Catalog
ITI Part No.: 466-1242-SM

Dealer Price List
ITI Part No.: 466-1289-01-SM

Main Product Offering

Simon Panels
ITI Part No.: 60-776-95R
          60-776-01-95R

Specifications

Power Supply

Required Transformer	Class II, 9 VAC, 60 Hz (22-091-ITI)
Backup Batteries/Backup Time	9 VDC, 1.2 Ah Ultralife Lithium (34-037) - 24 Hours (fully charged)
	7.2 VDC, 1 Ah Nickel Metal Hydride Rechargeable (32-052) - 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 four (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 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 (varied by word)
Vocabulary Size	212 words (approximately 90 seconds)

Environmental

Operating Temperature	32° (0°C) to 122°F(50°C)
Maximum Humidity	85% relative humidity, noncondensing
Standards	FCC Part 15, FCC Part 168
	UL Listings 985, 1023

Physical Description

Color	Belgian Gray
Dimensions	9.5″ x 7.5″ x 1.5″ (L x W x H)
Weight	1.6 lbs.
Installation	Wall and table mounting
Chassis Material	ABS

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