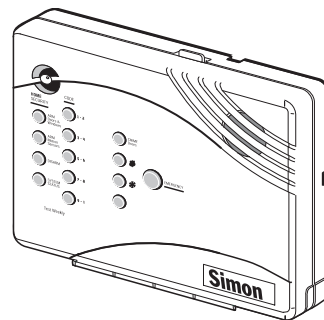


WIRELESS

Security  
Automation  
Access Control

Interactive Technologies, Inc.

# Simon® Basic Security System Control Panel



1061G58A.DSF

File: Panels

## ITI Part # 60-776-02-95R

### Overview

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The Simon® Basic 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, or activate no entry delay.

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.

### Features

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#### Simon Basic features include the following:

- 24 individual sensor zones with options for up to 2 hardwire zones
- 319.5 MHz SAW receiver will support all of ITI's sensor line (SAW and Crystal devices)
- 5 user-programmable access codes
- Chime feature for monitoring door and window activity
- Indoor motion sensors
- Central station and/or numeric pager reporting
- Event buffer with a time stamp
- Panel voice and panel beeps can be disabled
- The control panel can be programmed off-site using the ITI ToolBox
- SAW sensors which allow the home owner to change the alkaline batteries
- Two button keychain touchpad capability

#### The following (included in the Simon security system) are ***not*** included in the Simon Basic security system:

- 2-Way Voice including AVM 200 and On-board 2-Way Voice
- Touchtalk 2-Way RF Touchpad
- Remote Phone Control
- Speaker Volume Control
- Chime Special Motion
- Light Control including sensor activated lights, X-10 Lamp modules, Appliance modules, Powerhorn/remote modules, Universal/Garage Door modules, or Wall Switch modules
- Wireless Sirens

**Power Supply**

<b>Required Transformer</b>	Class II, 9 VAC, 60 Hz (22-109)
<b>Backup Batteries</b>	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, 580 mA Nickel Metal Hydride Rechargeable (34-051) - 18 hours - not UL approved
<b>Battery Test</b>	15 seconds under load every 4 hours (24 hours if option 51 is on)
<b>Fuse</b>	Non-replaceable transformer fuse

**Radio Receiver**

<b>Type</b>	SAW-Controlled Superheterodyne
<b>Frequency</b>	319.5 MHz
<b>Bandwidth</b>	350 kHz
<b>Sensitivity</b>	-112 dBm nominal
<b>Nominal Range</b>	500 ft (150 m) open-air receiving range

**Telephone/Modem**

<b>Dialing</b>	DTMF or pulse
<b>Modem</b>	Modified Bell 103 (110 or 300 bps)
<b>Telephone Interface</b>	Line seizure relay

**Inputs/Outputs**

<b>Total Input Zones</b>	24
<b>Auxiliary Power</b>	Regulated, fused 7-12 VDC output at 250 mA (maximum)
<b>Siren Outputs</b>	Hardwire Interior Siren (HIS) output and Hardwire Exterior Siren (HES) output (7-12 V)

**Microprocessor**

<b>Processor Type</b>	Mitsubishi M38024M6-SP
<b>Processor Clock</b>	7.68 MHz
<b>System ROM</b>	24 kilobytes
<b>System RAM</b>	640 bytes
<b>Memory Retention</b>	Unlimited duration (512 bytes EEPROM)

**Digitized Voice**

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

**Environmental**

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

**Physical Description**

<b>Color</b>	Belgian Gray
<b>Dimensions</b>	7.5 in wide x 9.5 in length x 1.5 in high
<b>Weight</b>	1 lbs, 9.6 oz
<b>Installation</b>	Wall and table mounting
<b>Chassis Material</b>	ABS

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Specifications are subject to change without notice.

**Ordering Information**

ITI Part # 60-776-02-95R

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