

Simon® Version 2.2 Software Update

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INTERACTIVE TECHNOLOGIES, INC.
2266 SECOND STREET NORTH
NORTH SAINT PAUL, MN 55109
T: 651/777-2690
F: 651/779-4890

WIRELESS
Security
Automation
Access Control

About This Document

This document describes the changes in the Simon Version 2.2 software upgrade.

Option 30: Panic Alarms

In Version 2.2 this option is changed to enable *manual* intrusion, auxiliary, or fire alarms (panics) from the Simon panel. This option supports the panel's new **INTRUSION** (☛), **AUXILIARY** (☛), and **FIRE** (☛) buttons and decal (see Figure 1.).

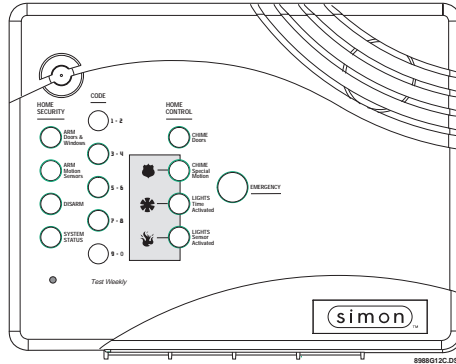


Figure 1. Simon Version 2.2 Panel Front and Decal

Now Simon allows you to create manual emergency alarms if Option 30 is ON (added). If you suspect an emergency situation and Option 30 is ON, you can now press...

- **EMERGENCY** and then **INTRUSION** (☛) to sound a manual intrusion alarm
- **EMERGENCY** and then **AUXILIARY** (☛) to sound a manual auxiliary alarm
- **EMERGENCY** and then **FIRE** (☛) to sound a manual fire alarm

Using the above keypresses sends a message to the central monitoring station, who then alerts the proper authorities.

If Option 30 is OFF (deleted) you *cannot* send manual intrusion, auxiliary, or fire alarms. However, you can always send a generic panic alarm as described below.

Regardless of how Option 30 is programmed, you can always send a generic emergency alarm if you quickly press the **EMERGENCY** button twice or press and hold the **EMERGENCY** button for 3 (three) seconds. Also Simon always monitors for programmed emergency conditions, such as fires, and will automatically alert the monitoring station if such a condition occurs.

The default setting for Option 30 is OFF (deleted).

Option 51: 24 Hour Battery Test

The 24 Hour Battery Test feature is only useful when using a non-rechargeable Ultralife® 9V lithium battery because it extends battery life. For UL Listed applications, this option must be OFF (defaulted).

When Option 51 is ON (added) the battery test period is set to 24 hours.

When Option 51 is OFF (deleted) the battery test period is set to 4 hours.

The default setting for Option 51 is OFF (deleted).

Option 52: High Level Status

The High Level Status feature controls the volume of trouble and status beeps.

When Option 52 is ON (added) all trouble and status beeps are set to the highest volume level.

When Option 52 is OFF (deleted) all trouble and status beeps are set to the lowest volume level.

The default setting for Option 52 is OFF (deleted).

Terminal Connections and Related Messages

47K ohm Resistor Terminal Connections

Simon Version 2.2 requires that 47k ohm resistors are used to connect all positive and negative terminals that are not used to connect sirens or hardwire sensors (see Figure 2.). If the Hardwire inputs are not used to connect sirens or hardwire sensors, and do not have the 47k ohm resistors connected, the panel responds with...

- "Module 1 failure" and/or
- "Module 2 failure"

... when **SYSTEM STATUS** is pressed twice.

To stop these messages and correct the problem, make sure that 2 (two) 47k ohm resistors are connected as shown below (see Figure 2.).

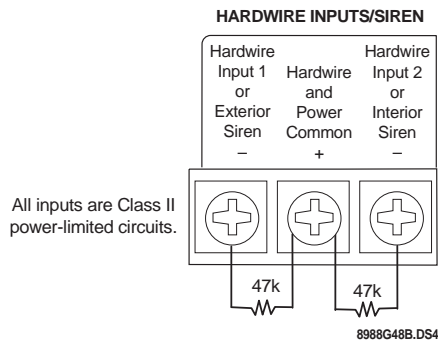


Figure 2. Connecting 47k ohm Resistors to Simon

Difficulty Learning Sensors

If the inputs are not connected with 47k ohm resistors (or other appropriate connections) you will experience difficulty while learning devices into the panel. You will notice that, while programming sensors, after you enter the device type and description, the panel spontaneously announces *"sensor (number and description) programmed."*

To correct this, add the necessary 47k ohm resistor(s), siren(s), or hardwire sensor(s), delete the incorrectly programmed device, and learn the appropriate device into the panel.