GE Security

Product Summary
Part No. 60-938

The Ethernet Interface module is an Ethernet module designed to provide an additional reporting method for Simon panels. The module connects to a DSL or cable modem (broadband) and reports events to the premisesconnect.com web site and up to two Osborne-Hoffmann (OH2000E) network receivers.

Premisesconnect.com is used by:

- Installers - to aid in installation and maintenance of security systems.
- Dealers - to simplify customer and account management.
- First Responders - to identify where and how to respond.
- Customers - to receive event notifications and to control their security system.

Ethernet Interface Module Setup

Perform the following steps to setup the Ethernet Interface module. Each step is described in detail in this manual.

1. Installation - Installing the Ethernet Interface module into the Simon® control panel.
2. Activation - Activating the communication channel between the module and the Simon panel.
3. Connection - Connecting the Ethernet Interface Module - Simon Panel combination to a network.
4. Registration - Registering the system on the premisesconnect.com website.

Installation

Requirements

- Broadband Internet connection (DSL or cable modem) .
- An available 10-Base-T or 10/100-Base-T Ethernet Port
- Simon panel with software version 4.0 or later

Tools and Supplies

- Small blade and Phillips screwdriver
- Screws for mounting module
- Standard (non-crossover) Category 5e Ethernet cable with RJ45 connectors
- Power/Bus cable

Mounting and Wiring

➤ **To mount the Ethernet Interface module inside a Simon panel:**

1. Remove AC power.
2. Open the panel cover.
3. Release the top chassis latch from the back plastic with a small screwdriver (twist the screwdriver).
4. Flip the front cover down until the back plastic is exposed.
5. Disconnect the backup battery.
6. With the Ethernet connector on the module facing the hinge of the panel, align the holes on the left side of the module with the plastic pins on the left side of the panel back plastic.
7. Secure the module to the screw posts on the panel through the holes on the right of the module using the included mounting screws.

Figure 1. Mounting the Ethernet Interface Module

➤ **To wire the Ethernet Interface module to a Simon panel:**

1. Connect one end of the included wiring harness to the right 4 pins on the top of the module. The red wire on the harness should be to the right.
2. Connect the other end of the wiring harness to the pins located just to the right of the phone jacks on the panel. The red wire on the harness should be to the right.
3. Connect one end of the Category 5e Ethernet cable to the Ethernet connector on the bottom left of the module.
4. Connect the other end of the Ethernet cable to an available Ethernet port on your cable or DSL modem, hub, switch or router (see Figure 3).
5. Make any other wiring or phone connections at this time. See the *Simon Installation Instructions* for necessary connections.
6. Reconnect the backup battery.
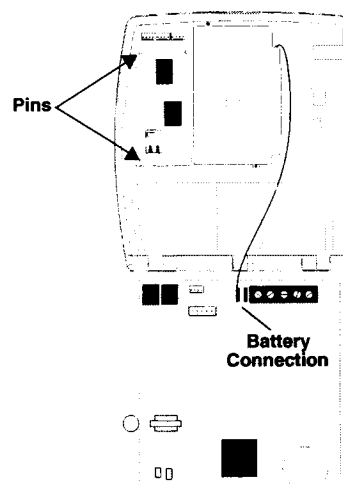7. Close the panel cover.
8. Apply AC power.

Figure 2. Wiring the Ethernet Interface Modu

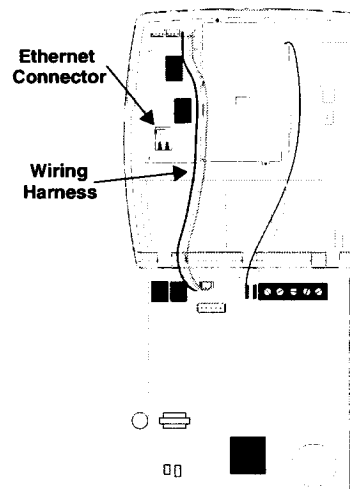## Activation

Activating the Ethernet Interface Module and Panel Communication

In order to program the module through the Simon panel you must activate the connection between the panel and module. Activating the communication channel and gaining access to the module's Remote Options is accomplished by turning Simon Option 89 On. Follow the instructions below to activate the module.

➤ **To activate the Ethernet Interface module:**

1. Enter Utility Access Code 1 (Dealer Code) if you are not already in program mode.
2. Press Add.
3. Press Option #.
4. Press 8, then 9.
5. Press Done. The panel announces "Option 89 is on."
6. Verify both the red and green LEDs on the module are blinking.

Connection

Connecting the Ethernet Interface Module to a Network

There are several possible network configurations the Simon-Ethernet Interface module System may take. The following are guidelines for connecting the system to a network.

- The module must be connected to an available 10-Base-T or 10/100-Base-T Ethernet Port that leads to the Internet. (The port cannot be labeled "WAN" or "Uplink".)
- The module is not compatible with USB.
- If Remote Option 5 is On there must be a DHCP Server on the local network. (A DHCP Server is usually built into routers.) If Remote Option 5 is off, Remote Option 7 must be programmed with a legal Static IP Address.

For UL Listed Systems

- The network connection must be always on and not require the use of the public switched telephone network to make a "dial up" connection.
- All devices between the Ethernet Interface and the transmission line (ethernet port or "hub", router, cable modem, etc.) must be UL listed models and not receive power from a switched outlet.
- Supervision signals between the panel and the supervising station receiver (central station) must be managed by the central station and not an intermediary network agent, device or service.
- Lost communication between the system and the reporting station will be indicated at the reporting station within 90 seconds.
- The communication path between the panel and the receiver can be either DACT or internet. One is not a backup for the other.

If connecting devices ("hub", router, cable modem) do not have battery backup, the system will lose communication with the reporting station if AC power is lost.

Caution

Setting the Simon Panel Options

Simon options 90-92 must be programmed properly in order for the Simon / Ethernet Interface system to report properly.

➤ **If the Simon/Ethernet Interface module system reports to a network central station receiver:**

- Simon Option 90 must be set to 0 or 1. See "Option 90 - Comm Channel 1 Reports" on page 8. If the system will report to an additional network central station receiver, Option 91 must also be set to 0 or 1. See "Option 91 - Comm Channel 2 Reports" on page 8.
- Remote Options 27-31 must be set properly if the system reports through Comm Channel 1. Options 32-36 must be set properly if the system uses Comm Channel 2. See "Module Options" on page 9.

➤ **If the Simon/Ethernet Interface module system reports to the premisesconnect.com website:**

- Simon Option 92 must be set to 0. See "Option 92 - Comm Channel 3 Reports" on page 8.

Setting up DHCP

Remote options 5 and 7-9 must be set according to the configuration of the available network. See the Glossary section in the back of this document for an explanation of DHCP.

➤ **If the network DOES NOT have a DHCP server installed:**

- Remote Option 5 must be Off. See "Remote Option 5- DHCP On/Off" on page 9
- Remote Options 7, 8 and 9 must be set properly. See "Remote Option 7- Static Module IP Address" on page 10, "Remote Option 8- Static Router IP Address" on page 10 and "Remote Option 9- Static Subnet Mask" on page 10.
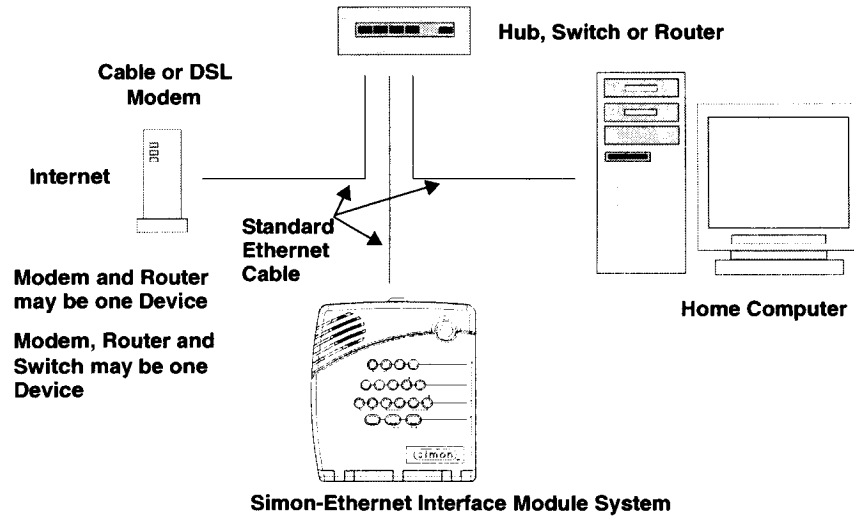
Figure 3. Residential Simon-Ethernet Interface Configuration

Registration

Registering the Ethernet Interface Module

Registration is necessary if the system will be communicating with the premisesconnect.com website. Registration is not necessary if the system will be communicating only with a TCP/IP central station receiver.

There are step-by-step registration instructions on the premisesconnect.com website.

➤ **To access registration instructions online**

1. Login as a Dealer or Service.
2. Click on Advanced Admin Features
3. Click on Registration Setup

Identification

Each Simon panel - Ethernet Interface module combination (system) is identified by its Account Number, Dealer ID and Line Number. These must be set before attempting to register the system.

Account Number

The Account Number (Simon Option 7) is a unique 10-character alphanumeric identifier programmed at the panel. This is the same Account Number used by standard central station receivers.

The Account Number may be pre-programmed. Verify there is no Account Number programmed before setting the Account Number.

➤ **To verify an Account Number is programmed:**

1. Enter Utility Access Code 1 (Dealer Code).
2. Press Option #.
3. Press Option repeatedly until you hear "Option 7" or press 0, then 7.
4. Listen for the value of the option. (Press Cancel to stop the panel from listing option values.)

➤ **To set the Account Number:**

1. If not in program mode, enter Utility Access Code 1 (Dealer Code).
2. Press Add.
3. Press Option #.
4. Press Option repeatedly until you hear "Option 7" or press 0, then 7.

5. Enter the Account Number using the numbered keys. Press 9 then the Minutes + button to enter letters (A-F). Pressing the Minutes + button repeatedly scrolls through the alphanumeric list (A-F, 0-9).

6. Press Done when the Account Number is entered.

Note
The Contact ID reporting method does not allow the use of the letter A in account numbers.

See the *Simon Installation Instructions* for complete panel programming instructions.

Dealer ID

The Dealer ID (Remote Option 3) is a numeric identifier assigned by GE Security that can be up to 10 digits long. It is unique for each dealer or installer. The Dealer ID must match an existing Dealer ID stored on the server.

The Dealer ID may be pre-programmed. Verify there is no Dealer ID programmed before setting the Dealer ID.

➢ **To verify the Dealer ID:**

1. Enter Utility Access Code 1 (Dealer Code) if you are not already in program mode.
2. Press Option #.
3. Press **Test**. This switches to the Remote or Ethernet Interface options menu and the panel begins announcing the values of all the remote options.
4. Listen until you hear the value of Remote Option 3. (Press Cancel to stop the panel from listing remote option values.)

➢ **To set the Dealer ID:**

1. Enter Utility Access Code 1 (Dealer Code) if you are not already in program mode.
2. Press Add.
3. Press Option #.
4. Press **Test**. This switches to the Remote or Ethernet Interface options menu.
5. Press Option # repeatedly until you hear "Remote Option 3..."
6. Enter the Dealer ID using the numbered keys.
7. Press Done. The panel will repeat the Dealer ID.

Line Number

The Line Number (Remote Option 4) is a numeric identifier that can be up to 10 digits long.

The Line Number may be pre-programmed. Verify there is no Line Number programmed before setting the Line Number.

➢ **To verify the Line Number:**

1. Enter Utility Access Code 1 (Dealer Code) if you are not already in program mode.
2. Press Option #.
3. Press **Test**. This switches to the Remote or Ethernet Interface options menu and the panel begins announcing the values of all the remote options.
4. Listen until you hear the value of Remote Option 4. (Press Cancel to stop the panel from listing remote option values.)

➢ **To set the Line Number:**

1. Enter Utility Access Code 1 (Dealer Code) if you are not already in program mode.
2. Press Add.
3. Press Option #.
4. Press **Test**. This switches to the Remote or Ethernet Interface options menu.
5. Press Option # repeatedly until you hear "Remote Option 4..."
6. Enter the Line Number using the numbered keys.
7. Press Done. The panel will repeat the Line Number.

Creating a Premisesconnect.com Account

You can create an account for the system before or after installing and registering the system at the premises. Typically it will be done before installation, so any problems can be resolved before installation. Follow the procedures on the premisesconnect.com website to create an account.

The following is some of the information that will have to be added when creating an account:

- Account name, address and phone
- Account ID
- Primary Contact

Registering the System

>**To register or re-register the Ethernet Interface module:**

1. Open the panel cover.
2. Enter Utility Access Code 1 (Dealer Code) if you are not already in program mode.
3. Press Option #.
4. Press **Test**. The system will begin listing the remote options and their values.
5. Listen until you hear the phrase "Remote Option 1 is off."

Important !
Remote Option 1 must be off in order for the module to register successfully.

6. Press Cancel to stop the panel from announcing option values.
7. Press Add.
8. Press Option #.
9. Press **Test**.
10. Press Option # repeatedly until you will hear the panel announce "Remote Option 2".
11. Press Done. The panel announces "Remote Option 2 OK."

Verify Registration

> **To verify the system was registered properly at the panel:**

1. Press Option #.
2. Press **Test**. The system will begin listing the remote options and their values.
3. Listen until you hear the phrase "Remote Option 1 is on."
4. Press Cancel so stop the panel from announcing option values.

If the panel says "Remote Option 1 is off", the system was not registered properly. Verify all connections are correct, Simon Option 89 is On, the LED's on the module and Ethernet connector are flashing (must open panel cover to verify), and the Account Number is not already in use; then try to register the system again. See the Troubleshooting section for more information.

> **To verify the system was registered properly:**

Follow the procedures on the premisesconnect.com website.

Programming Options Reference

The following options are used to customize the Ethernet Interface module and are programmed at the panel.

Table 1: Programming Options

Option No.	Option	Default	Range	Desired Setting
Simon Option 89	Serial Port Protocol	Off	On/Off	
Simon Option 90	Comm Channel 1 Reports	Off	0, 1, Off	
Simon Option 91	Comm Channel 2 Reports	Off	0, 1, Off	
Simon Option 92	Comm Channel 3 Reports	Off	0, Off	
Remote Option 1	Module Registration Status	Off	On/Off	

Table 1: Programming Options

Option No.	Option	Default	Range	Desired Setting
Remote Option 2	Register Module Command	N/A	N/A	
Remote Option 3	Dealer ID	000	1-10-digit numeric	
Remote Option 4	Line Number	0001	1-10 digit numeric	
Remote Option 5	DHCP On/Off	On	On/Off	
Remote Option 6	Reset Module Command	N/A	N/A	
Remote Option 7	Static Module IP Address	192.168.000.049	12-digit, 4 octet	
Remote Option 8	Static Router IP Address	192.168.000.001	12-digit, 4 octet	
Remote Option 9	Static Subnet Mask	255.255.255.000	12-digit, 4 octet	
Remote Option 10	Current Module IP Address	Dynamic	12-digit numeric	
Remote Option 11	Current Router IP Address	Dynamic	12-digit numeric	
Remote Option 12	Current Subnet Mask	Dynamic	12-digit numeric	
Remote Option 13	MAC Address	Dynamic	12-digit hexidecimal	
Remote Option 14	Proxy Server IP Address	000.000.000.000	12-digit, 4 octet	
Remote Option 15	Proxy Server Port	0080	4-digit numeric, 0000-9999	
Remote Option 16	Clear Module Memory Command	N/A	N/A	
Remote Option 17	Main Server IP Address	198.204.22.184	12-digit, 4 octet	
Remote Option 18	Main Server Port	0080	4-digit numeric, 0000-9999	
Remote Option 19	Ping Server IP Address	198.204.22.185	12-digit, 4 octet	
Remote Option 20	Ping Server Port	0080	4-digit numeric, 0000-9999	
Remote Option 21	Ping Page Base Name	ping1	10-character alphanumeric	
Remote Option 22	Main Server Page Base Name	simon3	10-character alphanumeric	
Remote Option 23	Registration Page Base Name	gwreg	10-character alphanumeric	
Remote Option 24	Ping Page Extension	aspx	5-character alphanumeric	
Remote Option 25	Main Server Page Extension	aspx	5-character alphanumeric	
Remote Option 26	Registration Page Extension	aspx	5-character alphanumeric	
Remote Option 27	Receiver 1 IP Address	000.000.000.000	12-digit, 4 octet	
Remote Option 28	Receiver 1 Number	0001	4-digit, 0000, 0020-9999	
Remote Option 29	Receiver 1 Poll Period	0000	4-digit, 0000, 0020-9999	
Remote Option 30	Receiver 1 Port	9999	4-digit, 0000-9999	

Table 1: Programming Options

Option No.	Option	Default	Range	Desired Setting
Remote Option 31	Receiver 1 Format	0	0, 1	
Remote Option 32	Receiver 2 IP Address	000.000.000.000	12-digit, 4 octet	
Remote Option 33	Receiver 2 Number	0001	4-digit, 0000-9999	
Remote Option 34	Receiver 2 Poll Period	0000	4-digit, 0000, 0020-9999	
Remote Option 35	Receiver 2 Port	9999	4-digit, 0000-9999	
Remote Option 36	Receiver 2 Format	1	0, 1	
Remote Option 37	Ethernet Interface Software Version		6 characters	
Remote Option 38	Ping Page Directory Name	Ping	7 characters	
Remote Option 39	Main Page Directory Name	Gateway	7 characters	
Remote Option 40	Registration Page Directory Name	Gateway	7 characters	

Simon Panel Options

These options are programmed on a Simon panel or through Enterprise Downloader version 2.2 or later and affect how the panel interacts with the Ethernet Interface module.

Note
The Ethernet Interface or Remote Options will not be programmable through Enterprise Downloader version 2.2

Option 89 - Serial Port Protocol

Default = Off; Range = On/Off

This option enables Simon to communicate with the Ethernet Interface module. Turn the option On to allow communication with the module through the Simon serial port. Leave the option Off to allow downloader programming through a direct connection to the panel serial port.

Option 90 - Comm Channel 1 Reports

Default = Off; Range = 0, 1, Off

This option determines which reports are ultimately sent to the network central station receiver 1 by the Ethernet Interface module. Set this option to 0 to have Simon send all reports to Comm Channel 1 (network receiver 1) of the module. Set it to 1 to send only alarms and manual communication tests to the module.

Option 91 - Comm Channel 2 Reports

Default = Off; Range = 0, 1, Off

This option determines which reports are ultimately sent to the network central station receiver 2 by the Ethernet Interface module. Set this option to 0 to have Simon send all reports to Comm Channel 2 (network receiver 2) of the module. Set it to 1 to send only alarms and manual communication tests to the module.

Option 92 - Comm Channel 3 Reports

Default = Off; Range = 0/Off

This options determines which reports are ultimately sent to the premisesconnect.com website by the Ethernet Interface module. Set this option to On to have Simon send all reports to Comm Channel 3 (premisesconnect.com).

Other Simon Options

If your Simon-Ethernet Interface module system connects to the premisesconnect.com website, the following options may also be set to On depending on the configuration of the system:

- Option 20 - Phone Test
- Option 21 - Opening Reports
- Option 22 - Closing Reports
- Option 23 - Forced Arm Report
- Option 24 - AC Fail
- Option 25 - CPU Low Battery
- Option 45 - Sensor Alarm Restoral

Refer to the *Simon Installation Instructions* for more information.

Registration Options

Registration is necessary if the system will be communicating with the premisesconnect.com web site. Registration is not necessary if the system will only be communicating with a TCP/IP central station receiver. The following options (Remote Options 1-4), as well as Simon Option 07 (Account Number) are used to register the system.

Remote Option 1- Module Registration Status

Default = Off; Range = On/Off

When the Ethernet Interface module is successfully registered this option is switched On automatically. This option must be Off before attempting to register or re-register the Ethernet Interface module.

Remote Option 2- Register Module Command

Default = N/A; Range = N/A

Used to register the Ethernet Interface module.

1. Press Add
2. Press Option #
3. Press Test
4. Press Option # until panel says "Remote Option 2..."
5. Press Done to register the module.

Remote Option 3- Dealer ID

Default = 000; Range = 1-10-digit numeric

The Dealer ID is unique to each installer and is assigned by GE Security. The Dealer ID must match an existing Dealer ID stored on the premesisconnect.com system.

Remote Option 4- Line Number

Default = 0001; Range = 1-10-digit numeric

The Line Number is a 1 to 10-digit numeric identifier linked to the primary reporting channel number of the panel. It is used as a prefix to the panel Account Number.

Module Options

The following options are used to customize the operation of the Ethernet Interface module.

Remote Option 5- DHCP On/Off

Default = On; Range = On/Off

DHCP is used to assign an IP address to the Ethernet Interface module automatically on a network containing a DHCP Server (your router typically will have a built-in DHCP Server). Typically DHCP should be left On. Remote Options 7, 8 and 9 must be programmed if DHCP is off.

Remote Option 6- Reset Module Command

Default = N/A; Range = N/A

Used to reset the Ethernet Interface module.

1. Press Add

2. Press Option #
3. Press Test
4. Press Option # until panel says "Remote Option 6..."
5. Press Done to reset the module.

Resetting the module does not clear its memory.

Remote Option 7- Static Module IP Address

Default = 192.168.000.049; Range = 12-digit, 4 octet

When DHCP is Off, this option sets the IP address of the Ethernet Interface module. This option is not used if DHCP is On.

Note
When programming an IP address, 3 digits must be used for each octet. An address of 10.1.8.100 would be programmed at the panel as "010.001.008.100". It is not necessary to enter the periods.

Remote Option 8- Static Router IP Address

Default = 192.168.000.001; Range = 12-digit, 4 octets

When DHCP is Off, this option sets the router IP address used by the Ethernet Interface module. This option is not used if DHCP is On.

Note
When programming an IP address, 3 digits must be used for each octet. An address of 10.1.8.100 would be programmed at the panel as "010.001.008.100". It is not necessary to enter the periods.

Remote Option 9- Static Subnet Mask

Default = 255.255.255.000; Range = 12-digit, 4 octets

When DHCP is Off, this option sets the subnet mask used by the Ethernet Interface module. This option is not used if DHCP is On.

Note
When programming an IP address, 3 digits must be used for each octet. An address of 10.1.8.100 would be programmed at the panel as "010.001.008.100". It is not necessary to enter the periods.

Remote Option 10- Current Module IP Address

Default = Dynamic; Range = 12-digit numeric

This option stores the current IP address of the Ethernet Interface module. This option cannot be programmed and is for review only.

Remote Option 11- Current Router IP Address

Default = Dynamic; Range = 12-digit numeric

This option stores the current IP address of the router through which the Ethernet Interface module is connected. This option cannot be programmed and is for review only.

Remote Option 12- Current Subnet Mask

Default = Dynamic; Range = 12-digit numeric

This option stores the current Subnet Mask of the Ethernet Interface module. This option cannot be programmed and is for review only.

Remote Option 13- MAC Address

Default = Dynamic; Range = 12-digit hexidecimal

This option stores the current MAC address of the Ethernet Interface Module. This option cannot be programmed and is for review only.

Remote Option 14- Proxy Server IP Address

Default = 000.000.000.000; Range = 12-digit, 4 octet

When a proxy server is used to communicate with the Internet, enter the IP address of the proxy server in this option. Leave this option set to 000.000.000.000 when not using a proxy server.

Note

When programming an IP address, 3 digits must be used for each octet. An address of 10.1.8.100 would be programmed at the panel as "010.001.008.100". It is not necessary to enter the periods.

Remote Option 15 - Proxy Server Port

Default = 0080; Range = 4-digit numeric, 0000-9999

Enter the TCP port the proxy server uses to communicate with the Ethernet Interface module.

Remote Option 16 - Clear Module Memory Command

Default = N/A; Range = N/A

Used to clear the Ethernet Interface module memory.

1. Press Add
2. Press Option #
3. Press Test
4. Press Option # until panel says "Remote Option 16..."
5. Press Done to clear the Ethernet Interface module memory.

This sets all options to their factory default settings.

Remote Option 17 - Main Server IP Address

Default = 198.204.22.184; Range = 12-digit, 4 octet

This option stores the IP address of the server on which premisesconnect.com is located. This option is normally set at the factory.

Note
When programming an IP address, 3 digits must be used for each octet. An address of 10.1.8.100 would be programmed at the panel as "010.001.008.100". It is not necessary to enter the periods.

Remote Option 18 - Main Server Port

Default = 0080; Range = 4-digit numeric, 0000-9999

This option stores the TCP port that is used to communicate with the permesisconnect.com server.

Remote Option 19 - Ping Server IP Address

Default = 198.204.22.185; Range = 12-digit, 4 octet

This option stores the ping server IP Address associated with premisesconnect.com. If left at the default the Ethernet Interface module uses premisesconnect.com for the ping server.

Note
When programming an IP address, 3 digits must be used for each octet. An address of 10.1.8.100 would be programmed at the panel as "010.001.008.100". It is not necessary to enter the periods.

Remote Option 20 - Ping Server Port

Default = 0080; Range = 4-digit numeric, 0000-9999

This option stores the TCP port used to communicate with the ping server associated with premisesconnect.com.

Remote Option 21 - Ping Page Base Name

Default = ping1; Range = 10-character alphanumeric

This option stores the base portion of the address of the ping web page on premisesconnect.com.

To enter letters, press 9 then the Minutes + button. The panel announces the letter A. Continue pressing the Minutes + button to progress through the alphabet.

Remote Option 22 - Main Server Page Base Name

Default = simon3; Range = 10-character alphanumeric

This option stores the base portion of the address of the main web page on premisesconnect.com.

To enter letters, press 9 then the Minutes + button. The panel announces the letter A. Continue pressing the Minutes + button to progress through the alphabet.

Remote Option 23 - Registration Page Base Name

Default = gwreg; Range = 10-character alphanumeric

This option stores the base portion of the address of the registration page on premisesconnect.com.

To enter letters, press 9 then the Minutes + button. The panel announces the letter A. Continue pressing the Minutes + button to progress through the alphabet.

Remote Option 24 - Ping Page Extension

Default = aspx; Range = 5-character alphanumeric

This option stores the extension of the address of the ping web page on premisesconnect.com.

To enter letters, press 9 then the Minutes + button. The panel announces the letter A. Continue pressing the Minutes + button to progress through the alphabet.

Remote Option 25 - Main Server Page Extension

Default = aspx; Range = 5-character alphanumeric

This option stores the extension of the address of the main server web page on premisesconnect.com.

To enter letters, press 9 then the Minutes + button. The panel announces the letter A. Continue pressing the Minutes + button to progress through the alphabet.

Remote Option 26 - Registration Page Extension

Default = aspx; Range = 5-character alphanumeric

This option stores the extension of the address of the registration web page on premisesconnect.com.

To enter letters, press 9 then the Minutes + button. The panel announces the letter A. Continue pressing the Minutes + button to progress through the alphabet.

Remote Option 27- Receiver 1 IP Address

Default = 000.000.000.000; Range = 12-digit, 4 octet

When the Ethernet Interface module has a TCP/IP connection to a OH2000 network receiver available this option should be programmed with the IP address for the primary receiver. Leave this option set to 000.000.000.000 to disable communication to the primary network receiver.

Note
When programming an IP address, 3 digits must be used for each octet. An address of 10.1.8.100 would be programmed at the panel as "010.001.008.100". It is not necessary to enter the periods.

Remote Option 28 - Receiver 1 Number

Default = 0001; Range = 4-digit, 0000-9999

This option sets the Receiver Number the primary TCP/IP central station receiver should use for this account.

Remote Option 29 - Receiver 1 Poll Period

Default = 0000; Range = 4-digit, 0000, 0020-9999

This option sets the time between periodic link poll messages. Link test messages are sent to the primary network receiver. The poll period must be set less than the time set at the receiver for link supervision failure. If the Poll Period is set to 0000, no polling is done.

Note
In UL listed systems, this option must be turned on and SIA format must be used.

Remote Option 30- Receiver 1 Port

Default = 9999; Range = 4-digit, 0000-9999

This option sets the TCP port number used to communicate with the primary network receiver.

Remote Option 31 - Receiver 1 Format

Default = 0; Range = 0,1

Use this option to set the reporting format the Ethernet Interface module will use when communicating with Receiver 1. Set to 0 for SIA, 1 for Contact ID. Simon Option 90 determines which reports are sent by Simon to the Ethernet Interface module and eventually to Receiver 1.

Remote Option 32- Receiver 2 IP Address

Default = 000.000.000.000; Range = 12-digit, 4 octet

When the Ethernet Interface module has a TCP/IP connection to a network receiver available this option should be programmed with the IP address for the secondary receiver. Leave the option set to 000.000.000.000 to disable communication to the secondary network receiver.

Note
When programming an IP address, 3 digits must be used for each octet. An address of 10.1.8.100 would be programmed at the panel as "010.001.008.100". It is not necessary to enter the periods.

Remote Option 33- Receiver 2 Number

Default = 0001; Range = 4-digit, 0000-9999

This option sets the Receiver Number the secondary network receiver should use for this account.

Remote Option 34- Receiver 2 Poll Period

Default = 0000; Range = 4-digit, 0000, 0020-9999

This option sets the time between periodic link test messages. Link test messages are sent to the secondary network receiver. The poll period must be set less than the time set at the receiver for link supervision failure. If the Poll Period is set to 0000, no polling is done.

Remote Option 35- Receiver 2 Port

Default = 9999; Range = 4-digit, 0000-9999

This option sets the TCP port number used to communicate with the secondary network receiver.

Remote Option 36- Receiver 2 Format

Default = 0; Range = 0,1

Use this option to set the reporting format the Ethernet Interface module will use when communicating with Receiver 2. Set to 0 for SIA, 1 for Contact ID. Simon Option 91 determines which reports are sent by Simon to the Ethernet Interface module and eventually to Receiver 2.

Remote Option 37- Ethernet Interface Module Software Version

Default =; Range = -digit,

This option stores the software version of the Ethernet Interface module.

Remote Option 38- Ping Page Directory Name

Default = Ping; Range = any

This option stores the Ping Page Directory Name.

Remote Option 39- Main Page Directory Name

Default = Gateway; Range = any

This option stores the Main Page Directory Name.

Remote Option 40- Registration Page Directory Name

Default = Gateway; Range = any

This option stores the Registration Page Directory Name.

Glossary

DHCP

Dynamic Host Configuration Protocol. A protocol that provides a means to allocate IP addresses dynamically to computers on a LAN. It eliminates the need to assign permanent IP addresses manually. DHCP software runs on servers and can be found in network devices (such as routers) that allow multiple users to access the Internet.

Ethernet

A widespread networking scheme most commonly known as "the hardware device that enables the LAN to work at the office." There are now several speeds, including 10BASE-T, with transmission speeds up to 10 Mbps, Fast Ethernet (or 100BASE-T), with transmission speeds up to 100 Mbps, and Gigabit Ethernet, which offers the highest level of backbone support, at 1000 Mbps (that's 1 gigabit or 1 billion bits per second).

TCP/IP

The set of protocols that make Telnet, FTP, e-mail, and other services possible among computers that don't belong to the same network.

IP Address

A numeric address that is given to servers and users connected to the Internet. For servers, it is translated into a domain name, by a Domain Name Server (DNS). For users, it is assigned by the Internet Service Provider (ISP) when the user goes online. This IP address might be the same number each time you log on (called a static IP), or it might be a newly assigned number each time you connect, based on what's available.

MAC Address

Short for Media Access Control address, a hardware address that uniquely identifies each node of a network.

Port

On the Internet, "port" often refers to a number that is shown in a URL, following a colon right after the domain name. Every service on an Internet server "listens" on a particular port number. Most of these services have standard port numbers. Web servers normally listen on port 80, and the standard Gopher port is 70. (Services can also listen on nonstandard ports, in which case the port number must be specified in a URL when the server is accessed.)

Proxy Server

A technique used to cache information on a Web server. It acts as an intermediary between a Web client and a Web server.

Basically, a proxy server holds the most commonly accessed and recently used content from the World Wide Web in order to provide quicker downloads for users and to increase server security. It is common for an ISP to use a proxy server, especially if it has a slow link to the Internet. Proxy servers are also constructs that allow direct Internet access from behind a firewall. They open a socket on the server and allow communication via that socket to the Internet.

For example, if your computer is inside a protected network and you want to browse the Web using Netscape, you will need to set up a proxy server on a firewall. The proxy server would be configured to allow requests from your computer, trying for port 80, to connect to port 1080 on the server; then all of your requests would be redirected to the proper place.

Subnet Mask

A number used to identify a subnetwork so that an IP address can be shared on a LAN.

An IP address has two components, the network address and the host address.

For example, consider the IP address 66.201.69.207. Assuming this is part of a Class B network, the first two numbers (66.201) represent the Class B network address, and the second two numbers (69.207) identify a particular host on this network.

Definitions from www.netlingo.com; www.webopedia.com

Troubleshooting   Registration Problems

➤ **Check the following if you have problems registering the Ethernet Interface module:**

- Verify Option 7: Account Number is programmed correctly.
- Verify the Account Number is not already in use.
- Verify Option 89: Serial Port Protocol is On.
- Verify Remote Option 5: DHCP On/Off is On if it is available on the network.
- If DHCP is unavailable, Remote Options 7-9 must be set appropriately.
- Verify Remote Option 3: Dealer ID is programmed correctly.
- Verify Remote Option 4: Line Number is programmed correctly.
- Remote Options 14 and 15 must be set appropriately if a proxy server is used to reach the Internet.
- Remote Options 17, 18, 23, 26 and 40 must be set appropriately.

Specifications

Model No.: 60-938
Compatibility: .... Simon panels with software version 4.0 and later
Power Requirements: .... Supplied by the Simon Panel
Operating Temperature
Range: .... 32° to 120° F (0° to 49° C)
Storage Temperature Range: ... -29° to 140° F (-34° to 60° C)
Relative Humidity: .... 90% non-condensing
Dimensions (in): .... 1.75 x 4.56
Installation: .... Inside Simon Panel

Notices

UL Listings

UL985, UL1023, UL1635

FCC Part 15 Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the affected equipment and the panel receiver to separate outlets, on different branch circuits.

Consult the dealer or an experienced radio/TV technician for help.

GE Security