

HVACR
♦ **FAULT FINDER** ♦
PC Edition



User Guide

Contents

- Hardware and Software Requirements 1
- Setting Up the Device 1
- Main Screen 2
- Connection Wizard 3
- Module History – Chart 4
- Module History – Event Order 5
- Module History – Counter 5
- Data Logger 6
- Equipment Information 6

Hardware and Software Requirements

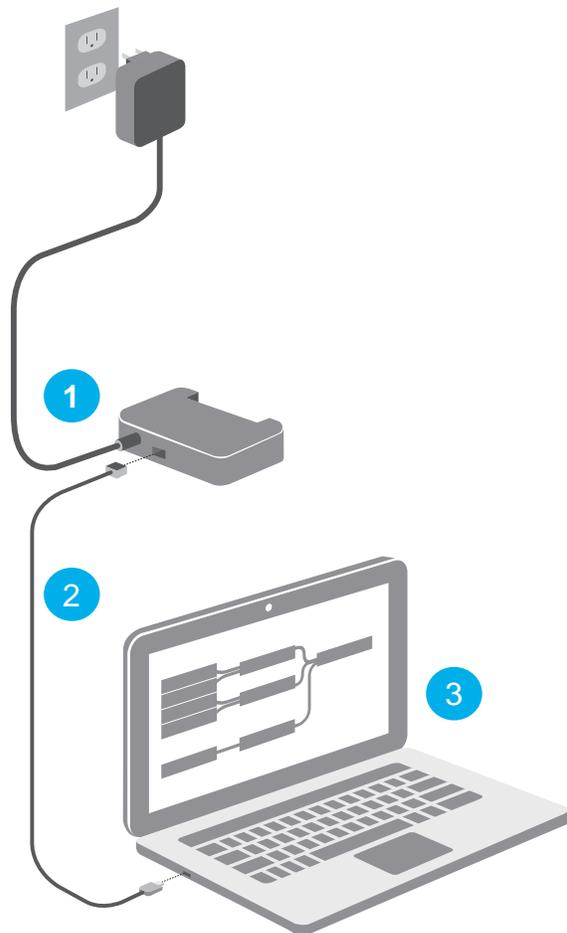
Minimum hardware and software requirements:

- Windows®/2000/XP/Vista/7
- Pentium III®, 300 MHz processor
- Internet Explorer® 5.1 or later
- Microsoft® .NET Framework 4.0
- Windows Installer 3.1

Setting Up the Device

To set up the unit:

- 1 Ensure that the Comfort Alert® or CoreSense™ module has power.
 - This is indicated by a solid green or yellow LED on the module. (If the module is not powered on, a 24V wall adaptor with FASTON connectors may be used. The adaptor connects to the “C” and “R” terminals on the module.)
- 2 Connect the module to the computer with the provided USB cable.
 - Connect the 2-pin end of the cable to the “DATA” port on the module and the USB end to a PC.
- 3 Run Fault Finder (PC Edition) by using the Windows Start Menu or by double-clicking the Desktop Icon.



Main Screen

Start the Fault Finder (PC Edition) software on the computer. The Main screen displays all previously connected sites, the connected date, and part number.

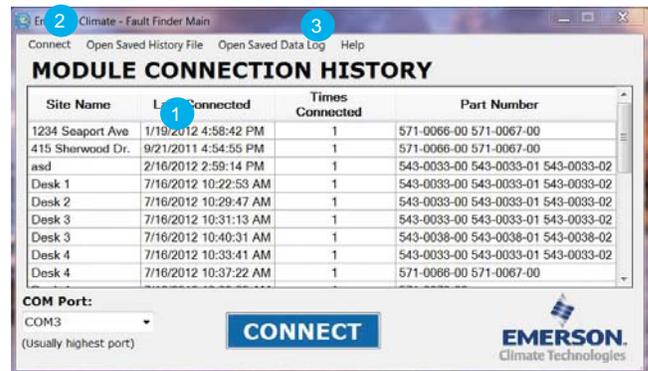
- 1 Double click any previous record to open the most recent saved history.
- 2 Use the “open saved history” menu option to retrieve older saved records.
- 3 The “Help” menu provides additional information such as user manuals, application engineering bulletins, and troubleshooting guides.

Double clicking any line item in the Main screen loads the last instance of that location history. To view history other than the latest, click on Open Saved History File in the Main screen menu and use the file explorer to select any previous history.

Files are automatically saved with the site name, part number, date and time. The files are stored on the hard drive under the C:/ComfortAlertLog directory. An Adobe file (.pdf) is stored with all history data screens that can be printed or e-mailed as needed. A previously saved history file will not display a DISCONNECT button.

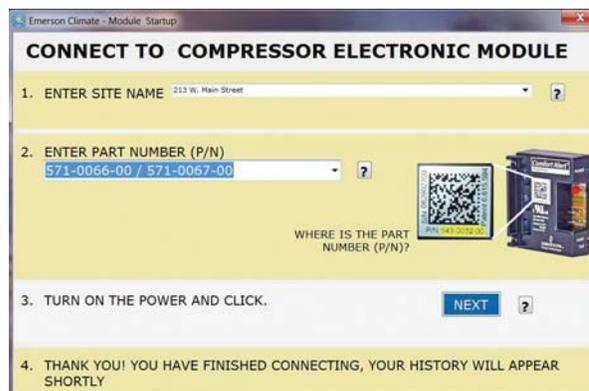
Available PC com ports are automatically detected and assigned, but can be manually adjusted if necessary.

Click on the CONNECT button to initiate the new gathering of the history data from the module. The user will be prompted to turn off power to the module. Click the OK button to bring up the connection wizard.



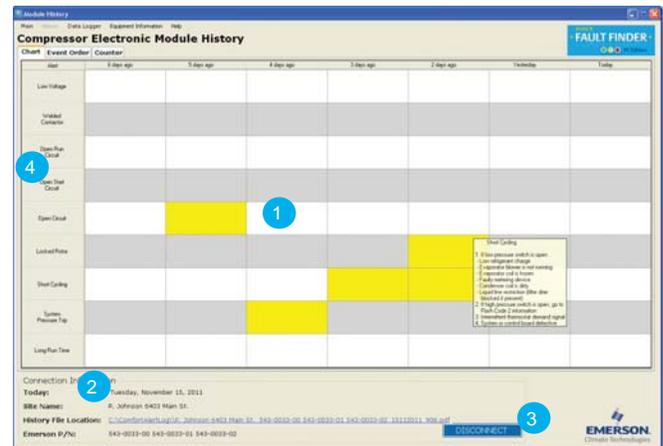
Connection Wizard

- First enter the name of the site where the air conditioner is located. Choose a site name that uniquely identifies this particular site. The name is automatically included in the file name while saving. If this customer has been serviced before on this computer, you can select the site name from the drop down list.
- Then select the part number of the module. The part number is located on the bottom edge of the 2D bar code label on the module. All modules require a power cycle in order to transmit history data.
- Next turn on the power and click the NEXT button shown. This will trigger the module to send the history data over the serial line to the computer. After the history data is read, the history screen will show on the computer.



Module History – Chart

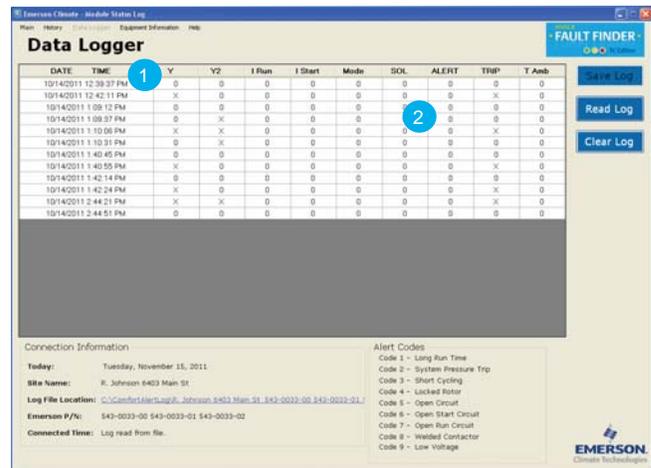
- 1 The Chart tab shows all events that have happened over the past seven compressor operating days and whether or not the event was an alert level (yellow) or a lock out level (red). Moving the mouse pointer over a colored square reveals the type of fault and offers some suggested troubleshooting options.
- 2 The Connection Information section at the bottom of the screen shows the current date, site name, and Emerson part number. Clicking the hyperlink will open a .pdf file of all history screenshots that can be emailed or printed as required.
- 3 The DISCONNECT button will disconnect the communication link to the module and bring the user back to the Main menu screen. This button is not visible when viewing a previously saved file.
- 4 The left hand fault code axis will change depending on which part number was chosen in the connection wizard.



Data Logger

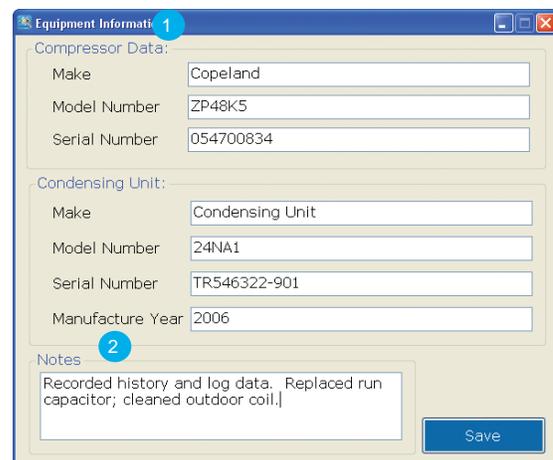
The Data Logger tool can be helpful for module and system testing purposes or when it is desired to see faults in “real-time” as they occur. The Data Logger feature is only enabled when actively connected to a module. A new line of information will be displayed every time the periodic status data is received. Data Logger information can be saved to a file for later reference or cleared to restart the logging. Older files can be retrieved for re-evaluation.

- 1 Mousing over the column headers reveals a description of each data point.
- 2 The data is presented as an “X” or “O”. An “X” indicates an event has taken place. An “O” indicates no event has occurred.



Equipment Information

- 1 To store additional information about the compressor and condensing unit, select the Equipment Information menu item at the top of the History screen. All annotations will be saved with its respective history file.
- 2 Additional notes about an existing job site and troubleshooting session can be saved in the lower text box.



For more information visit EmersonClimate.com or contact Emerson Climate Technologies, Inc. at 1-888-EMR-9950

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