



*XCI Command Center  
Software  
Installation Manual*

*Version 2.11*

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## **Introduction**

Congratulations on your purchase of XCI products. The XCI Command Center software and hardware products will allow you to gain complete control of your HVAC system with very easy to install and use products. You can take advantage of our latest technology to monitor and control your HVAC system(s) from an on-site location or from anywhere in the world with a modem. This manual will give you instructions on installing both hardware and software portions of your package, as well as providing you with some technical specifications and troubleshooting information.

## **What's Included**

You should have the following items in your package(s):

- Installation Diskette(s)
  - XCI Serial-Stat Adapter  
Model XC-SSA or  
Model XC-SSA2 or  
Model XC-SSA2/CLK
- 9-25 Pin or 9-9 Pin Adapter Cable
- XCI Power Transformer (none with XC-SSA)
- Warranty and Registration Cards
- This Manual

## **Minimum System Requirements**

The system requirements for the XCI Command Center Software and Hardware are:

- DOS - compatible computer models 386, 486, or Pentium processors
- MS-DOS or PC-DOS 5.0 or later
- Windows 3.1 or later operating environment
- At least 4MB RAM available
- 4MB free hard disk space
- One (1) available serial port

## **Optional Hardware**

- One (1) XCI XC-MDM14 or XC-MDM28 external modem (for connection to Serial-Stat Adapter on-site)
- One (1) Hayes-compatible internal/external modem (connected to the PC for remote dialing to the XCI modem)

## **Latest Information**

Please read the *readme.txt* file on the installation disk(s) for any changes made after this manual was printed.

## **Installation**

The installation of the XCI software and hardware is easy, and can be installed in just a few steps. This section will assist you with:

- Loading XCI Command Center Software
- Connecting a Serial-Stat Adapter
- Connecting Serial-Stat Thermostats
- Connecting the Modem

### **Loading the Command Center Software**

To install the XCI Command Center Software, follow these simple steps:

1. Turn on the computer system and start Windows.
2. Insert the diskette into the 3 1/2" floppy drive, typically called drive A.
3. Click on the word "**File**" in the menu bar of the Program Manager. It will be near the upper left-hand corner of your screen.
4. On the pull-down menu under "File", click on "**Run...**"
5. In the "Run" dialog box, type **a:\setup** and press **Enter**. If you are using a drive other than A, modify the command to the indicate the appropriate drive, such as **b:\setup** for drive B.
6. Read the information and follow the instructions on the screen. The installation program will create its own directory on your hard drive.
7. If your version of the XCI Command Center Software has a second installation disk, Setup will tell you to insert it at the appropriate time. Then click "**OK**".

### **Connecting a Serial-Stat Adapter to your PC**

To install the any one of the XCI Gateway Communications Adapters to the PC, follow these simple steps:

1. Locate the 9-pin to 9-pin cable supplied with the XC-SSA2 or XC-SSA2/CLK communications adapter.
2. Connect the 'socket' end to your PC. This is the 9-pin end that has the holes in it.
3. Connect the 'pin' end to the connector labeled 'Computer (RS-232)' on the Serial-Stat adapter. This is the 9-pin end that has nine small pins sticking out of the cable.  
Note: If you have purchased the basic XC-SSA Adapter, it contains a 25-pin connector and a 9-to-25 pin cable adapter is included.
4. Secure the ends to the equipment (PC and Adapter) with the thumbscrews to ensure a good connection.
5. Connect the 16VAC power transformer to the power terminals on the adapter. It does not matter which lead goes to the (c) screw terminal.
6. Plug the power transformer into a standard wall outlet. The green 'PWR' LED will start to flash slowly, and the red 'SS' and the yellow 'XB' LEDs will be illuminated. There is no On/Off switch for the adapter. If power needs to be disconnected, simply remove the connector.

## **Connecting Serial-Stat Thermostats**

Wiring for the XCI Serial-Stat communications bus (SS) is simple! The Serial-Stat thermostats use a proprietary 2-wire bus that allows you to pre-wire your job-site easily. This proprietary bus is used along with the Serial Communications Adapters so we can take care of the 'headaches' associated with carrying communications signals over long distances. The bus for the Serial-Stats can be wired in a 'daisy-chained' or 'home-run' configuration, or both. Simply get the communications cable to each thermostat. To the bus, it doesn't matter how they are connected, as long as two basic rules are followed. 1) The maximum distance from the adapter to any Serial-Stat is 1000 feet. 2) The total amount of cable connected to an adapter is 5000 feet.

### ***Connecting a Few (1 or 2) Serial-Stats***

1. If only a few thermostats are going to be used in the network, use the X1 and X2 screw terminals on the adapter for connection.
2. Make sure that X1 is *always* wired to X1, and X2 is *always* wired to X2.
3. Connect the other ends of the communications cable to X1 and X2 on the Serial-Stat as appropriate.
4. See the Pre-Wire Installation Manual for full details regarding wire type, cable pulling practices, connection diagrams, etc.

### **Connecting Multiple Serial-Stats**

1. Connect the Serial-Stats to one or more an XC-TB1 or XC-TB45 terminal boards. (XC-TB1 for XC-SSA, XC-TB45 for XC-SSA2 or /CLK)
2. On the terminal boards, Make sure that X1 is *always* wired to X1, and X2 is *always* wired to X2.

3. Connect the other ends of the communications cable to X1 and X2 on the Serial-Stat as appropriate.
4. Up to 32 thermostats (4 terminal boards) can be connected to a single communications adapter.

Using the quick connect cable supplied with the terminal board, connect one end to the terminal board (using either Jack) and the other to the communications adapter. Note: Do NOT use any cable other than the one provided with the terminal board.

## **Connecting the Modem (Option)**

To install the XCI Modem to any one of the XCI Gateway Communications Adapters, follow these simple steps:

1. Locate the 9-pin to 9-pin cable and the 9-pin to 25-pin cables supplied with the XC-MDM14 or XC-MDM28 modem.
2. Using the 9-pin to 9-pin cable, connect the 'socket' end to the connector labeled 'Modem (RS-232)' on the Serial-Stat adapter. This is the end that has the holes in it.
3. Connect the 'pin' end to the small end of the 9-pin to 25-pin cable.
4. Connect the 25-pin end to the mating connector on the modem.
5. Secure the ends to the equipment (modem and Adapter) with the thumbscrews to ensure a good connection.
6. Connect one end of the telephone cord (supplied with the modem) to the LINE jack on the modem. Connect the other end into the telephone outlet in the wall.
7. If wanted, connect a standard telephone to the TEL jack on the modem.
8. Connect the modem's power transformer that was supplied to the modem. Plug the power transformer into a standard wall outlet.
9. Turn on the modem.


## Using the Software

### Creating a New Project




The Project window allows you to group multiple thermostats into a single environment so it is convenient to control an entire residence or building at once.

To create a new project, choose **File | New** from the menu, or

position the cursor over the  icon in the Toolbar and press the left mouse button. Then, fill out the 'Description' and 'Path and name' fields. The 'Description' can be any information that helps identify the project, such as 'Central Office Headquarters - Dallas'. The Path and name can be any DOS legal name, such as 'c:\xci\co\_hqtrs.enp'.

**Project File Name Notes:** 1) If only the file name is typed instead of a full path, the project will be created and stored in the current directory. 2) The project file name extension must be *.enp*. If the extension is left off the name, it will be added automatically. The path and name can be any DOS legal name, such as 'c:\xci\co\_hqtrs.enp', or 'co\_hqtrs.enp', or 'co\_hqtrs'.

### Open an Existing Project

To open an existing project, choose **File | Open** from the menu, or position the cursor over the  icon and press the left mouse button. Then, select the project file name desired, and press 'OK'.

### Using the Project View

When a project is opened, as described above, both the 'Project View' and the 'Table View' are loaded. Once loaded, the 'Project View' will be displayed.

The Project View is the default view, where the project node, thermostat nodes and timer nodes are displayed with a File Manager or 'Tree' look and feel.

When in 'Table View', to toggle the screen to the 'Project View', click **Project**, then click **View Project**.

### Thermostats

#### Creating a New Thermostat



Each thermostat file is an independent unit, and specifically describes a physical thermostat. A thermostat may have any number of timers associated with it.

To create a new thermostat, a project must first be open and in 'Project View'.

Position the cursor anywhere over the project name and click the left mouse button one time to highlight it. There are now two ways to create a new thermostat.

**Method 1** While the cursor is over the highlighted project name press the right mouse button one time, which will pop up a dialog box. Next, position the cursor over '**New Thermostat**' in the pop-up window, and press either the left or right mouse button.

**Method 2** While the cursor is over the highlighted project name, press the '**Ctrl-Ins**' keys.

With both methods, a new window will appear. Fill out the Description and Path and Name fields. The *Description* can be any

information that helps identify the thermostat, such as 'Library - 6th Floor'. The 'Path and Name' can be any DOS legal name, such as '**c:\xciLibrary.ens**'.

**Thermostat File Name Notes:** 1) If only the file name is typed instead of a full path, the thermostat will be created and stored in the current directory. 2) The thermostat file name extension must be **.ens**. If the extension is left off the name, it will be added automatically. The path and name can be any DOS legal name, such as '**c:\xciLibrary.ens**', or '**library.ens**', or '**library**'.

**Thermostat Description Notes:** A thermostat description can be any name or phrase up to 32 characters long. Make the name something that helps associate the location of the controlled area. Examples are: **Library**, or **Northeast Hallway to Gym**, or **East Wing - Third Floor**.

### ***Adding a Thermostat to a Project***




To add a thermostat to a project, the thermostat must exist and a project must first be open.

Position the cursor anywhere over the project name and click the left mouse button one time to highlight it. There are now two ways to attach the thermostat.

**Method 1** While the cursor is over the highlighted project name, press the right mouse button one time, which will pop up a dialog box. Next, position the cursor over '**Add Thermostat**' in the pop-up window, and press either the left or right mouse button.

**Method 2** While the cursor is over the highlighted project name, press the '**Ins**' key.


With both methods, a file selection window will appear. Then, select the thermostat file name desired, and press 'OK'. The thermostat is now added to the project. The  icon and file description will appear under the project name. To view or adjust the thermostat, simply double-click on the thermostat name.

### ***Opening an Existing Thermostat***



To open an existing thermostat, a project must first be open.



If the  icon has a '+' immediately to the left of the icon, click the '+' with the left mouse button to display the attached thermostats. Position the cursor anywhere over the thermostat name and click the left mouse button one time to highlight it.. There are now two ways to attach the thermostat.

**Method 1** While the cursor is over the highlighted thermostat name, press the right mouse button one time, which will pop up a dialog box. Next, position the cursor over '**Edit Thermostat**' in the pop-up window, and press either the left or right mouse button.

**Method 2** While the cursor is over the highlighted thermostat name, simply double-click on the thermostat name.

With both methods, a **Thermostat Window** will appear, enabling viewing and manipulation of an actual thermostat.

## Deleting a Thermostat from a Project



To delete an existing thermostat, a project must first be open.



If the icon has a '+' immediately to the left of the icon, click the '+' with the left mouse button to display the attached thermostats.

**Position the cursor anywhere over the thermostat name and click the left mouse button one time to highlight it.** There are now two ways to delete a thermostat.

**Method 1** While the cursor is over the highlighted thermostat name, press the right mouse button one time, which will pop up a dialog box. Next, position the cursor over **Delete Thermostat** in the pop-up window, and press either the left or right mouse button.

**Method 2** Simply press the 'delete' or 'del' key on the keyboard, and the highlighted thermostat will be deleted.

The thermostat is then deleted from the project, but not from the disk. It can still be reassigned to the project, or any other project. To delete the thermostat from the disk, open the File Manager program and delete it.

## Using the Thermostat Window



The Thermostat window allows viewing the current thermostat modes of operation and setpoints, as well as the complete control of the thermostat. All modes of operation and setpoints may be changed from this window.

### Display/Update Modes

There are two display/update modes for a thermostat, **Thermostat** and **File**, which is indicated in the *Data Source Box*. The *'thermostat'* mode displays the actual settings from the thermostat and the *'file'* mode displays the stored settings from the *[filename].ens* file.

### Data Source Box

**'Thermostat'** - If this button is highlighted, the actual settings from the thermostat are being displayed on the screen.

**'File'** Button - If this button is highlighted, the stored settings in your *[filename].ens* file are being displayed on the screen.

### Thermostat Display (File Mode)

The thermostat display operates exactly like the actual thermostat. All of the gray buttons operate just as they do on the thermostat. The buttons can be used to change any settings, and the setting will also be reflected in the boxes to the right of the display. See the individual boxes for full descriptions.

### Thermostat Display (Thermostat Mode)

The thermostat display operates exactly like the actual thermostat. All of the gray buttons operate just as they do on the thermostat. **As a button is pressed, the corresponding command will be sent to the thermostat.** The buttons can be used to change any settings, and the setting will also be reflected in the boxes to the right of the display. See the individual boxes below for full descriptions.

### Mode Box

**'Heat'** - Indicates the stored mode of operation of the thermostat. If the thermostat is in a different operating mode, click on this button in order to change the stored mode to the HEAT mode.

**'Cool'** - Indicates the stored mode of operation of the thermostat. If the thermostat is in a different operating mode, click on this button in order to change the stored mode to the COOL mode.

**'Auto'** - Indicates the stored mode of operation of the thermostat. If the thermostat is in a different operating mode, click on this button in order to change the stored mode to the AUTO mode. The AUTO mode will automatically change from HEAT to COOL, or COOL to HEAT depending on the setpoints stored in the thermostat. There will always be a minimum of 2 degrees **'deadband'** between the heat and cool setpoints.

**'E-Heat'** - Indicates and Sets the current mode of operation of the thermostat. If the thermostat is in a different operating mode, click on this button in order to change the actual thermostat to the EHEAT mode. Note: This button will be grayed-out on thermostats that do not contain emergency heat control.

**'Off'** - Indicates the stored mode of operation of the thermostat. If the thermostat is in a different operating mode, click on this button in order to change the stored mode to the OFF mode.

### Temperature Box

**'Indoor'** - Displays the current indoor temperature at the thermostat. This is the normal display on the actual thermostat. The word 'Remote' will be highlighted if the optional Remote Indoor Temperature Sensor connected. If the Data Source Box is in File Mode, the display will be -- .

**'Remote'** - If the thermostat has the optional Remote Indoor Temperature Sensor connected, the temperature from the remote sensor location is displayed and the word 'Remote' will be highlighted. If this sensor is not connected, the word 'Remote' will be grayed out.

**'Outdoor'** - If the thermostat has the optional Outdoor Temperature Sensor connected, the current outdoor temperature is displayed.

### Fan Box

**'Auto'** - Indicates the stored mode of operation for the fan. This mode causes the fan to come on automatically as needed by the system. If the display is in the ON mode, click on this button in order to change the stored fan mode to the AUTO mode.

**'On'** - Indicates the stored mode of operation for the fan. This mode causes the fan to run continuously as is recommended for electronic air cleaners and continuous ventilation systems. If the display is in the AUTO mode, click on this button in order to change the stored fan mode to the ON mode.

### Stages Box

This box is for display only. The information shows which stages of HEAT or COOL are energized on the thermostat. **Note:** Some of these buttons will be grayed-out on certain thermostat types, as the may not control multiple stages of HEAT or COOL.

## Setpoints Box

This series of buttons allows the display and modification of the Heat and Cool setpoints that are currently programmed in the thermostat.

**'View Setpoints'** There are four setpoints, two for Day mode and two for Night mode, only two are displayed. The setpoints shown correspond to the highlighted mode in the **Day/Night Box**. To view the alternate setpoints, click on the other button in the **Day/Night Box**.

**'Modify Setpoints'** In order to modify the Heat or Cool setpoint values, it is first necessary to have the **Data Source Box** in the **File Mode**.

- 1) Click the **File** button in the **Data Source Box**.
- 2) Place the **Day/Night Box** in the desired mode, **Day** or **Night**, by clicking the appropriate button.
- 3) With the left mouse button, click on either the **Cool** or **Heat Setpoint Box** to activate the adjustment mode.
- 4) In the **Thermostat Display**, click either the **Up** or **Down** button to move the temperature to the new desired setpoint.
- 5) When the desired setpoint has been reached, adjust the opposite setpoint as well if necessary.
- 6) Once the setpoints are adjusted, simply click the **Copy to Thermostat** button, and the two setpoints and all modes of operation will be sent to the thermostat.

## Day/Night Box

**'Day'** - Indicates and Changes the Day or Night mode of operation. DAY stores one set of HEAT and COOL setpoints, and indicated by the Cool and Heat temperatures on the display. If the thermostat is in the NIGHT mode, click on this button in order to change the actual thermostat to the DAY mode.

**'Night'** - Indicates and Changes the Day or Night mode of operations. NIGHT stores one set of HEAT and COOL setpoints, and indicated by the Cool and Heat temperatures on the display. If the thermostat is in the DAY mode, click on this button in order to change the actual thermostat to the NIGHT mode.

## Copy to Thermostat Button (File Mode)


**'Copy to Thermostat'** - When the 'File' button in the Source Box is highlighted and this button is pressed, the current values on the screen (i.e. Mode, Fan, Day/Night and Setpoints) are programmed into the thermostat. *(Note: In order to program the appropriate setpoints for both Day and Night settings, remember to adjust both Day and Night setpoints before clicking this button).*

## Copy to File Button (Thermostat Mode)

**'Copy to File'** - This button will copy all of the thermostat's current modes of operation and setpoints to a temporary file. Upon leaving the thermostat window, this information can be permanently stored on disk by selecting OK.

## Timers

### ***Creating a New Timer***

 The Timer window allows you to create different types of event schedulers for automating control of thermostats. Each timer is an independent event, and can be used with any number of thermostats. Likewise, a thermostat may have any number of timers associated with it.

To create a new timer, a project and thermostat must first be open.

Position the cursor anywhere over the thermostat name and click the left mouse button one time to highlight it. There are now two ways to create a new timer.

**Method 1** While the cursor is over the highlighted thermostat name press the right mouse button one time, which will pop up a dialog box. Next, position the cursor over '**New Timer**' in the pop-up window, and press either the left or right mouse button.

**Method 2** While the cursor is over the highlighted thermostat name, press the '**Ctrl-Ins**' keys.

With both methods, a new window will appear. Fill out the Description and Path and Name fields. The *Description* can be any information that helps identify the timer, such as 'Weekday Mornings'. The '*Path and Name*' can be any DOS legal name, such as '**c:\xci\week\_am.ent**'.

**Timer File Name Notes:** 1) If only the file name is typed instead of a full path, the timer will be created and stored in the current directory. 2) The timer file name extension must be **.ent**. If the extension is left off the name, it will be added automatically. The path and name can be any DOS legal name, such as '**c:\xci\week\_am.ent**', or '**july\_4th.ent**', or '**vacstart**'.

**Timer Description Notes:** A timer description can be any name or phrase up to 32 characters long. Make the name something that helps associate the function of the timer. Examples are: **Weekday Morning**, or **Main Lobby - Weekend Start**, or **Labor Day - Start**.


### ***Adding a Timer to a Thermostat***

To add a timer to a thermostat, the timer must exist and a thermostat must first be attached to the open project.


Position the cursor anywhere over the thermostat name and click the left mouse button one time to highlight it. There are now two ways to attach the timer.


**Method 1** While the cursor is over the highlighted thermostat name, press the right mouse button one time, which will pop up a dialog box. Next, position the cursor over '**Add Timer**' in the pop-up window, and press either the left or right mouse button.

**Method 2** While the cursor is over the highlighted thermostat name, press the '**Ins**' key.

With both methods, a new file selection window will appear. Then, select the timer file name desired, and press 'OK'. The timer is now added to the thermostat. The  icon and file description will appear under the thermostat name. To view or adjust the timer, simply double-click on the timer name. See also: **Opening An Existing Timer**

## Open an Existing Timer

 To open an existing timer, the timer must exist and a thermostat must first be attached to the open project.


If the  icon has a '+' immediately to the left of the icon, click the '+' with the left mouse button to display the attached timers. Position the cursor anywhere over the timer name and click the left mouse button one time to highlight it. There are now two ways to attach the timer.


**Method 1** While the cursor is over the highlighted timer name, press the right mouse button one time, which will pop up a dialog box. Next, position the cursor over **'Edit Timer'** in the pop-up window, and press either the left or right mouse button.

**Method 2** While the cursor is over the highlighted timer name, , simply double-click on the timer name.

With both methods, a Timer Window will appear, enabling viewing and editing of the timer.

## Deleting a Timer from a Thermostat

 To delete an existing timer, the timer must exist and a thermostat must first be attached to the open project.


If the  icon has a '+' immediately to the left of the icon, click the '+' with the left mouse button to display the attached timers. **Position the cursor anywhere over the timer name and click the left mouse button one time to highlight it.** There are now two ways to attach the timer.

**Method 1** While the cursor is over the highlighted timer name, press the right mouse button one time, which will pop up a dialog box. Next, position the cursor over **'Delete Timer'** in the pop-up window, and press either the left or right mouse button.

**Method 2** Simply press the 'delete' or 'del' key on the keyboard, and the highlighted timer will be deleted.

The timer is then deleted from the project, but not from the disk. It can still be reassigned to the thermostat, or any other thermostat. To delete the timer from the disk, open the File Manager program and delete it.

## Using the Timer Window

 The Timer window allows you to create different types of event schedulers for automating control of thermostats. Each timer is an independent event, and can be used with one or any number of thermostats. Likewise, a thermostat may have any number of timers associated with it. Timers can also be attached 'globally', which allow a single timer to be added to a project that will control ALL thermostats on the project.

Use the timer dialog to set the attributes of the timer.

The timer attributes are timer mode, date, time and thermostat settings.

There are four different timer modes:

Day : At a particular time and day(s), set the thermostat to day mode. This mode will only switch the thermostats to Day mode. Click on any combination of the days of the week and the time to determine when the timer goes into effect. *All existing modes of*

operation, such as Mode, Fan and setpoints are used as currently stored in the thermostat(s)

**Night** : At a particular time and day(s), set the thermostat to night mode. This mode will only switch the thermostats to Night mode. Click on any combination of the days of the week and the time to determine when the timer goes into effect. *All existing modes of operation, such as Mode, Fan and setpoints are used as currently stored in the thermostat(s).*

**Day Of Week**: At a particular time and day(s), set the thermostat modes and setpoints. Click on any combination of the days of the week and the time to determine when the timer goes into effect. *All existing modes of operation, such as Mode, Fan, Day/Night and both setpoints are updated in the thermostat as described by the timer.*

**Date**: Set a particular time and date to determine when the timer's thermostat settings go into effect. *All existing modes of operation, such as Mode, Fan, Day/Night and both setpoints are updated in the thermostat as described by the timer.*

Timers use the following sequence for execution : Day, Night, Day of Week, Date.

This is important to understand when more than one timer is scheduled to be executed at the same minute. As an example, an individual Serial-Stat has a Day of Week timer scheduled for 8:00AM and a global timer of Date type also is scheduled for 8:00AM. The Day of Week timer would be executed and then the Date timer. Thus, the final result would be the Date parameters.

## **Using the Table View**

To toggle to the 'Table View' format to see multiple thermostats, click **Project**, then click **View Table**.

## **View Table**

View **Tables/View Project** menu items toggle. There are two primary views of thermostats: Project View and Table View. This menu selection toggles between the two views.

View Tables allows multiple thermostats to be monitored in a spreadsheet style table. All setpoints, modes of operation and temperatures can be viewed. During polling, thermostats that do not respond are highlighted in red.

The Start/Stop Table Update and Logging to Disk commands can only be enabled/disabled from the View Table mode.

## **Start Table Update**

The Start Table Update menu item starts/stops thermostat polling in the Table View. While thermostat polling is occurring from the Table View, other operations involving the adapter are not allowed.

Examples of other operations are opening the: 1) Thermostat Dialog, 2) Timer Dialog, or 3) Scheduling Timers. If any of these operations are attempted during thermostat polling, the user will be given the choice to abort the operation and continue polling, or to stop thermostat polling and continue the operation.

## **Log to Disk**

The log command allows all information recorded in the **View Table** mode to be stored to disk in a dbase .dbf format. This allows the data to be imported to any spreadsheet for graphing and analysis. Each day that a logging is started, a new file will be created. The file names are created automatically and will have the format trmddy.dbf. Example : April 22, 1997 is formatted t42297.dbf. The log files are stored in the current project directory.

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## **Using the Scheduler**

To toggle to the 'Table View' format to see multiple thermostats, click **Project**, then click **View Table**.

### **Local PC Timers**

These commands allow the start or stop of the clock/calendar programs loaded into the PC memory. The commands work with any of the communications adapters. Obviously, in order for the PC clock to work, the Command Center software must be running.

When using the Local PC Timers, there is theoretically no limit to the number of timers for a project. Several thousand timers can be included on a project because the timers are stored on the hard disk and use very little space (approximately 250 bytes). 1 MB of hard disk space will allow 4,000 timers!

**Run:** Start scheduling timers using the PC clock.

**Halt:** Stop scheduling timers using the PC clock.

### **Adapter Timers**

These commands start/stop/download the clock/calendar programs loaded into the XC-SSA2/CLK adapter. The commands have no effect on any other communications adapter model.

When using the Adapter Timers, there is a limit of 1000 timers for each adapter. This gives an average of 31 scheduled timers for each of 32 Serial-Stats connected to one adapter. Any quantity of timers can be associated with a thermostat up to the maximum of 1000 timers.

When download occurs for the 'Clock Adapter', the adapter is immediately put into Run mode. To service equipment or temporarily turn off the schedules, issue the Halt command.

**Run:** Start scheduling timers loaded into the adapter. This command is issued automatically when a Download occurs. After a **Halt**, the **Run** command must be issued again in order for the schedules to restart, unless a new download occurs.

**Halt:** Stop scheduling timers loaded into the adapter. To service equipment or temporarily turn off the schedules, issue the **Halt** command.

**Download:** Download timers currently defined in the PC to the real-time clock adapter. When download occurs for the 'Clock Adapter', the adapter is immediately put into **Run** mode.

Each time a **Download** occurs, ALL schedules will be updated.

## Troubleshooting

### *Technical Support*

Technical Support is available 8AM to 5 PM Central Time. Call (972) 481-9600 and ask for Technical Assistance. When you call, please be ready to describe the issue in detail, know which model numbers of equipment you have and the version number of the software. The software version numbers are contained under the **Help | About** menu item.

## Appendix A

### *Default Configurations*

#### **Adapter Communications Port**

The Command Center software ships with the communications port for the ADAPTER set up as COM1. If you have a mouse on your PC that uses COM1, you will need to change this to an available COM port. This is done from the main menu by clicking **Tools | Port**. All other necessary parameters are automatically set by the software.

#### **Modem Communications Port**

The Command Center software ships with the communications port for the MODEM set to COM2. To avoid IRQ problems on your PC, it is advised that you use an odd/even configuration for the adapter and modem. As an example, use COM1 for the Adapter and COM2 for the Modem, or COM2 for the Adapter and COM3 for the Modem, but do not use COM1 for the Adapter and COM3 for the Modem.

To change the modem port, click **Tools | Port** from the main menu. All other necessary parameters are automatically set by the software. Make sure you are using a Hayes compatible modem.

To insert the customer profile and modem dialing numbers for the project, click **Tools | Dial** or click the Modem icon in the Toolbar.

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