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Section 1: Win 95/98/ME

Install Synergy Configuration Software

Synergy Configuration setup requires at least version 2.5 of the Microsoft Data Access Components (MDAC) to be installed first. The installation program will automatically install MDAC25 if it is not present.

Synergy Configuration Software Installation.
1) Run Setup.exe from the root directory. Follow the prompts for instructions while installing.
2) If you encounter any errors while installing, see the troubleshooting section for help.

If the computer will be connected to a Synergy BACnet network using the ARCNET port, a Synergy Network Interface Card (NIC) and the BACstac protocol must be installed before communication on the Synergy network is possible. Communication utilizing a COM port does not require a NIC or BACstac protocol installation. If you have a NIC PCI proceed to Install NIC PCI Card and Driver for Win 95/98/ME. If you have a NIC ISA proceed to Install NIC ISA Card and Driver for Win 95/98/ME.

Install NIC PCI Card and Driver for Win 95/98/ME

The NIC PCI can only be used with Win 95/98. It CANNOT be used with Win NT. The NIC PCI and PCI20 driver must be installed and configured before the NIC PCI card will function.

Note for Dell PC’s:
In certain Dell models containing 3 PCI slots, the first 2 PCI slots (closest to the case) share IRQ’s with other devices. Installing the NIC PCI in one of these slots makes configuring the NIC PCI driver difficult. PCI slot 3 does NOT share IRQ’s with other devices. Using slot 3 on these models should make driver installation less complicated.

Follow these steps to install the card and driver.

1) Turn off the PC. Remove the cover from the PC and install the NIC PCI card into an available PCI slot in your computer. (See note above if you have a Dell PC). There are termination jumpers on the NIC PCI which are factory set in the OFF (parked) position. See the NIC PCI Jumper Settings drawing for details. Turn on your computer.

2) The ADD NEW HARDWARE WIZARD should appear. Click NEXT. You should see two radio buttons, click the radio button corresponding to DISPLAY A LIST OF ALL DRIVERS IN A SPECIFIC LOCATION… Click NEXT twice. Insert the Lithonia BACstac disk into the floppy drive and click HAVE DISK. A:\ should be highlighted. Click on BROWSE, then double click the PCI20 directory. PCI20.INF will be highlighted. Click OK twice.

3) CONTEMPORY CONTROLS PCI20-485D will be highlighted. Click NEXT twice. If a file not found or Copying Files dialog box appears, click on BROWSE, then drive A:\. Select PCI20.VXD and click OK twice.

4) The driver should now install. Click FINISH, then reboot the PC if Windows requests this to be done. Proceed to Record Settings for the NIC PCI driver for Win 95/98/ME.
Record Settings for the NIC PCI Card Driver for Win 95/98/ME

You need to view and record the IRQ and base address settings established when the NIC PCI driver was installed. You'll need these settings later when you set up the BACstac protocol. Follow these steps to view and record the settings.

1) Open Control Panel. Double click the SYSTEM icon and choose the DEVICE MANAGER tab. You should see a PCI20 category displayed. Double click the PCI20 category, then double click CONTEMPORARY CONTROLS PCI20-485D.
2) Click the RESOURCES tab and record the INTERRUPT REQUEST setting.
3) Click the down arrow to see the last line of INPUT/OUTPUT RANGE. The INPUT/OUTPUT range setting to be used is the first group of four characters on the line. Record this setting.
4) Click CANCEL twice to close device manager.
5) Proceed to Install BACstac Protocol for Win 95/98/ME

Install NIC ISA Card for Win 95/98/ME

The NIC ISA card works in conjunction with the BACstac protocol. The NIC ISA has several jumper settings available to select the IRQ and a dipswitch to select the base address. The factory settings are IRQ 5 and base address 0x300. See the NIC ISA Configuration drawing for details. Follow these steps to install the card.

1) Verify the IRQ jumper is installed at IRQ 5 and the base address dipswitch is set at 0x300.
2) Turn off the PC. Remove the cover from the PC and install the NIC ISA card into an available ISA slot in your computer.
3) Turn on your computer. After the PC boots, proceed to Install BACstac Protocol for Win 95/98/ME.

Install BACstac Protocol Version 3.1 for Win 95/98/ME

Before installing the BACstac Protocol, Windows Network Services must be installed. On most PC’s network services will already be installed, and you must verify it is. In Control Panel double click on the NETWORK tab. If there is a list of network components installed, network services are installed and you can proceed installing BACstac. If you see a blank list in the network Box, no network services are installed. You must install them before installing BACstac, proceed to Installing Network Services. Otherwise install BACstac now.

INSTALLING BACSTAC Protocol

1) In Control Panel, double click on NETWORK, next click ADD, then PROTOCOL, then ADD. A box will open up, click on HAVE DISK. A:\ should be highlighted, click OK.
2) A box with Cimetrics BACstac Protocol highlighted will open up, click OK.
3) The driver will now partially install. The network box will reappear, click OK. The driver will complete installation, you may be prompted to insert your Windows CD. After the driver completes installation click yes to reboot the PC.
4) After the PC reboots verify the Port Table settings. To do this, open Control Panel, then double click on NETWORK. Double click Cimetrics BACstac Protocol, then click the Edit BACstac Port Table Button. There will one line shown for Port 1. Double click the line, port ID 1. Verify the following settings are shown:
   Port ID=1, Network Number = NA, IRQ=5, Port=0x300, Node ID=250
   Data Rate=156.25, Excessive NAKs=128, Backplane Mode is not checked,
   Extended Timeout is Normal, Slow Arbitration is not checked, Attached is checked.
   Click OK to exit.

The IO Port and IRQ settings are based on a standard configuration for the NIC card. These parameters may need to be changed in order to be compatible with your particular configuration. Instructions for configuring the BACstac protocol will be explained at Configuring the BACstac Protocol for Win 95/98/ME.
Installing Network Services

1) In Control Panel double click on NETWORK, next click ADD, then ADAPTER, then ADD. A Select Network Adapter box will open up. In the area to the left marked manufacturers, scroll down to Microsoft.
2) Click on MICROSOFT. The area marked Network Adapters will show Dial-Up Adapter and several other adapters. Click on Dial-Up Adapter, then click OK.
3) The adapter should now install. After installing, the Network Box should show Dial-Up Adapter, TCP/IP and possibly other adapters.
4) Click on OK at the bottom of the Network box. You may be prompted to insert your Windows CD. After installation, the PC will reboot. You can now proceed back to Install BACstac Protocol for Win 95/98/ME

Configuring the BACstac Protocol for WIN95/98/ME

The BACstac protocol must be configured to match the settings on the NIC ISA or the settings established when the NIC PCI20 driver was installed. Follow these steps to configure BACstac.

1) Change the Port Table settings. To do this, open Control Panel, then double click on NETWORK. Double click Cimetrics BACstac Protocol, then click the Edit BACstac Port Table Button.
2) Double click on the top line, port ID 1. ONLY the IRQ and IO PORT settings will be changed. Change the IRQ setting to the match the IRQ jumper setting on the NIC ISA or the INTERRUPT REQUEST SETTING documented in the Record Settings for the NIC PCI Card Driver section. If you have a NIC ISA, proceed to step 3. If you have a NIC PCI proceed to step 4.
3) NIC ISA ONLY
   Change the IO PORT setting to the match the IO ADDRESS dip switch setting on the NIC ISA.
4) NIC PCI ONLY
   Change the IO PORT setting to the match the INPUT/OUTPUT SETTING documented in the Record Settings for the NIC PCI Card Driver section. You must use the first group of 4 digits in the range, and insert 0x in front of the number/letter combination. For example, if the INPUT/OUTPUT RANGE setting is EC60-EC6F, then type in 0xEC60 in the IO PORT SETTING field. DO NOT CHANGE ANY OTHER SETTINGS!
5) Click OK twice to exit. A dialog box should pop up asking if you want to restart the BACstac protocol. Click YES, BACstac should restart.
7) Click CLOSE to end the editing port table.

To determine if a NIC ISA is functioning, check to see if the network LED on the NIC ISA is lit. See NIC ISA Configuration Settings drawing for details. If it is lit, the NIC ISA is functioning correctly. If not, proceed to Troubleshooting: LED on NIC ISA is not lit

To determine if a NIC PCI card is functioning, look at the back of the PC. On the NIC PCI card adjacent to the network connector there are two small LED’s. See NIC PCI Jumper Settings drawing for details. If the card is working properly, the green LED will be on continuously and the yellow LED should be flashing about twice a second, if the network connector is not installed. If the network connector is installed, the green LED will be lit continuously, but the yellow LED will be off. If the LED’s are not in either of these conditions, proceed to Troubleshooting: LED’s on NIC PCI are not on.
Section 2: Windows 2000/XP

Install Synergy Configuration Software

Synergy Configuration setup requires at least version 2.5 of the Microsoft Data Access Components (MDAC) to be installed first. The installation program will automatically install MDAC25 if it is not present.

Synergy Configuration Software Installation.
1) Run Setup.exe from the root directory. Follow the prompts for instructions while installing.

Install NIC PCI Card and Driver for Win 2000/XP

Follow these steps to install the NIC PCI card and driver.
1) Turn off the PC. Remove the cover from the PC and install the NIC PCI card into an available PCI slot in your computer. There are termination jumpers on the NIC PCI which are factory set in the OFF (parked) position. See the NIC PCI Jumper Settings drawing for details. Turn on the computer.
2) The ADD NEW HARDWARE WIZARD should appear. Click NEXT. You should see two radio buttons, click the radio button corresponding to SEARCH FOR A SUITABLE DRIVER FOR MY DEVICE… Click NEXT twice. In the search locations boxes, check the box beside SPECIFY A LOCATION. Make sure the other boxes are unchecked. Click NEXT.
3) Put the Lithonia supplied floppy disk labeled ARCNET DRIVERS for Windows NT, 2000, & XP in the floppy disk drive.
4) A box will pop up, click on BROWSE. Browse to the A:\ drive. A file, OEMSETUP.INF, will be displayed. Click OPEN, then click OK.
5) Click NEXT. A digital signature box will open, click YES.
6) The driver should now install. Click FINISH, then reboot the PC if Windows requests this to be done.

Install BACstac Protocol Version 4.0

Windows 2000 is compatible ONLY with BACstac Protocol version 4.0 or greater. Lithonia supplies 2 different versions of the BACstac Protocol. You MUST use the disk labeled BACstac Protocol 4.0 for Windows NT, 2000, & XP.

1) In Control Panel, double click on NETWORK. The Network and Dial-up Connections box will open up. Double click on the Local Area Connection for the PCI20D- ARCNET Network.
2) A Local Area Connection Properties box will open. Click on INSTALL. A Select Network Component Type box will open. Highlight Protocol, then click ADD.
3) A Select Network Protocol box will open. Put the Lithonia supplied floppy disk labeled BACstac Protocol 4.0 for Windows NT, 2000, & XP in the floppy disk drive. Click on HAVE DISK. An Install from Disk box will open. A:\ should be highlighted.
4) BACstac.inf will be displayed, click on OPEN. Click OK. A box with Cimetrics BACstac Standard Edition v4.0 Protocol highlighted will open up, click OK. The driver will install.
5) A Cimetrics BACstac Standard Edition v4.0 Protocol Properties box will open up. Highlight the second line, Port ID 2 - Virtual, and click remove. Click OK.
6) In the Cimetrics BACstac Standard Edition v4.0 Protocol Properties box click on the CONFIGURE button in the upper right corner. This configures the PCI20 ARCNET interface.
7) In the Cimetrics BACstac Standard Edition v4.0 Protocol Properties box click on the CONFIGURE button in the upper right corner. This configures the PCI20 ARCNET interface.
8) Click on the ADVANCED tab. Click on CARD SPEED, then highlight 156.25 Kbps and click OK.
9) Click OK to close the properties box, click CLOSE again.
10) The pc may have an ethernet port installed, the BACstac protocol CANNOT be bound to this device or any other network adapter. If an ethernet port or another network adapter is installed it will be shown in the Network box. Double click on the ethernet port or adapter connection. There will be several devices listed. Uncheck the box beside CIMETRICS BACSTAC PROTOCOL in each adapter.
11) Click OK, then close the network box.
12) BACstac 4.0 should now be correctly installed.
Section 3: Win NT

Install Synergy Configuration Software

Synergy Configuration setup requires at least version 2.5 of the Microsoft Data Access Components (MDAC) to be installed first. The installation program will automatically install MDAC25 if it is not present.

Synergy Configuration Software Installation.
1) Run Setup.exe from the root directory. Follow the prompts for instructions while installing.
2) If you encounter any errors while installing, see the troubleshooting section for help.

If the computer will be connected to a Synergy BACnet network using the ARCNET port, a Synergy Network Interface Card (NIC) and the BACstac protocol must be installed before communication on the Synergy network is possible. Communication utilizing a COM port does not require a NIC or BACstac installation. If you are using the ARCNET port, proceed to Install NIC ISA Card for Win NT.

Install NIC ISA Card for Win NT

The NIC ISA card works in conjunction with the BACstac protocol. The NIC ISA has several jumper settings available to select the IRQ and a dipswitch to select the base address. The factory settings are IRQ 5 and base address 0x300. See the NIC ISA Configuration Drawing for details. Follow these steps to install the card.

1) Verify the IRQ jumper is installed at IRQ 5 and the base address dipswitch is set at 0x300.
2) Turn off the PC. Remove the cover from the PC and install the NIC ISA card into an available ISA slot in your computer.
3) Turn on your computer. After the PC boots, proceed to Install BACstac Protocol for WIN NT.

Install BACstac Protocol Version 4.0 for Win NT

INSTALLING BACSTAC Protocol
1) Open Control Panel. Double click on NETWORK, next click the PROTOCOLS tab, then ADD. A box will open up, click on HAVE DISK.
2) Enter the path to the disk that contains the BACstac files. If you are using the Lithonia BACstac disk A:\ should be highlighted. Click OK. A box with BACstac Protocol highlighted will be displayed. Click OK, the driver will install.
3) The BACstac Port Table Box will open. Verify the settings are as follows:
   Port ID=1, Attached=Yes, Network Number=N/A, Type=Physical, Protocol=Ethernet, NIC=Default, Sec. Info=N/A
4) Click OK. The network box will reappear.

Next, proceed to Install ARCNET Driver.
Install ARCNET Driver

1) In the NETWORK box click the ADAPTERS tab, then ADD. A box will open up, click on HAVE DISK. Enter the path to the disk that contains the ARCNET files. If you are using the Lithonia BACstac disk, enter A:\WINNTISA. Click OK.
2) Lithonia Lighting NIC ISA ARCNET Adapter will be displayed. Click OK.
3) The driver will install.
4) The PCX20 ARCNET ADAPTER SETUP box will appear, verify the settings are as follows.
   IO Port=0x300, IRQ=5, Node ID=250 and Selectable, Cable Type=Direct RS485.
4) Click OK and the driver will complete installation.
5) The MS LOOPBACK Adapter must be installed next. Proceed to MS LOOPBACK ADAPTER Installation.

MS Loopback Adapter Setup

1) In the NETWORK box click the ADAPTERS tab, then ADD. A box will open up listing available adapters. Scroll down to MS Loopback Adapter, then select it, then click OK. A box with Frame Type will pop up, click OK. A Windows NT Setup box will appear. C:\ will be highlighted, click CONTINUE unless the path to the Windows NT files is not C:\. If the path is not C:\ enter the correct path (ex D:\ for a CD drive) and click CONTINUE.
2) The adapter will install. Next, proceed to Bindings Setup.

Bindings Setup

1) In the NETWORK box click the BINDINGS tab.
2) In the select box labeled Show Bindings For highlight and click ALL PROTOCOLS. Expand the BACstac protocol by clicking on the plus sign at the left of it's name.
3) The Lithonia Lighting NIC ISA Arcnet adapter must be the top adapter in the list. If it is not, select it, then click the Move Up button until it becomes the top adapter.
4) Highlight any other adapters listed under BACstac Protocol and click disable.
5) Expand the NetBEUI protocol by clicking on the plus sign at the left of it's name.
6) The MS Loopback adapter must be the top adapter in the list. If it is not, select it, then click the Move Up button until it becomes the top adapter.
7) Highlight any other adapters listed under the NetBEUI Protocol and click disable.
8) In the select box labeled Show Bindings For, highlight and then select ALL ADAPTERS
9) Expand the listed adapters by clicking on the plus sign at the left of each of them. Confirm the BACstac Protocol is bound only to the Lithonia Lighting adapter. Confirm the NetBEUI Protocol is bound only to the MS Loopback adapter.
10) Click Close at the bottom the Network window, the Bindings configuration will save. When prompted click yes to restart the computer.

Next, proceed to Configure ARCNET driver.
Configuring the ARCNET Driver for Win NT

The ARCNET Driver must be configured to match the jumper settings on the NIC ISA. The ARCNET driver installs itself at IRQ 5 and base address 0x300. The NIC ISA is also factory configured at IRQ 5 and base address 0x300. If you have NOT moved the jumpers from their factory setting the NIC ISA should now be working. If you HAVE moved the configuration jumpers on the NIC ISA, you must match the ARCNET driver settings to the jumper settings you’ve made.

1) Open Control Panel. Double click on NETWORK, then click the ADAPTERS tab.
2) Lithonia Lighting NIC ISA ARCNET Adapter will be displayed in the list. Double click the adapter name.
3) The ARCNET ADAPTER settings box will appear. Change the IRQ and/or base address to match the jumper settings on the NIC ISA.
4) Click OK, the computer will reboot.

To determine if the NIC ISA is functioning, check to see if the network LED on the NIC ISA is lit. See the NIC ISA Configuration Settings drawing for details. If it is lit, the NIC ISA is functioning correctly. If not, proceed to Troubleshooting: LED on NIC ISA is not lit.
TROUBLESHOOTING:

LED’s on NIC PCI are not on or flashing
LED on NIC ISA is not lit
Hardware Conflict
NIC ISA Device Conflict
NIC PCI Device Conflict
IRQ Cannot be Modified
MSGSRVR32 Error When Booting
Error In DLL Module...
Missing Parse DLL

LED’s on NIC PCI are not on or flashing

If the yellow and green LED’s on the NIC PCI are not on or flashing, make sure the settings in the BACstac Protocol and PCI20 driver setup are the same. If not, edit them now. If they are the same, see hardware conflict.

LED on NIC ISA is not lit

If the settings in the BACstac protocol and the jumpers on the NIC ISA card are the same, and the NIC ISA card’s network LED is not on, there is most likely a conflict between the NIC ISA and other hardware in the PC. Finding the offending hardware and resolving the problem is not always a simple task, several steps may need to be taken. To resolve hardware conflicts, follow these steps as a general guideline.

WARNING: If you are unsure about editing or removing hardware and drivers, consult a qualified technician to proceed with troubleshooting. Improper editing can result in PC performance problems and/or total PC shutdown. These instructions are provided as a guide ONLY and it may not possible to follow them explicitly due to the many variations in PC hardware/software.

1) Open Control Panel. Double click the SYSTEM icon and choose the DEVICE MANAGER tab. Double Click the COMPUTER icon in the uppermost left corner. A Computer Properties dialog box will open up. There will be four categories with radio buttons shown.
2) Click on the button for Interrupt Request (IRQ). A list of used IRQ’s will be displayed. Look for IRQ 5 in the list. If it is shown, the device using it is causing a conflict. If a device conflict is found, proceed to NIC ISA Device Conflict. If not, contact LCS Technical Service for assistance.
Hardware Conflict

If the settings in the BACstac protocol, PCI20 driver setup or the NIC ISA jumpers are the same, and the NIC card’s LED(s) are not on, there is most likely a hardware conflict between the NIC and other hardware in the PC. Finding the offending hardware and resolving the problem is not always a simple task, several steps may need to be taken. To resolve hardware conflicts, follow these steps as a general guideline.

**WARNING:** If you are unsure about editing or removing hardware and drivers, consult a qualified technician to proceed with troubleshooting. Improper editing can result in PC performance problems and/or total PC shutdown. These instructions are provided as a guide ONLY and it may not possible to follow them explicitly due to the many variations in PC hardware/software.

1) Open Control Panel. Double click the SYSTEM icon and choose the DEVICE MANAGER tab. Double Click the COMPUTER icon in the uppermost left corner. A Computer Properties dialog box will open up. There will be four categories with radio buttons shown.

2) Click on the button for Interrupt Request (IRQ). A list of used IRQ’s will be displayed. If you have a NIC ISA, proceed to NIC ISA Device Conflict. If you have NIC PCI, proceed to NIC PCI Device Conflict.

**NIC ISA Device Conflict**

If you have a device conflict, you need to change the IRQ setting on the NIC ISA to resolve the conflict.

1) If you haven’t already, follow steps 1 and 2 under Hardware Conflict
2) In the list of IRQ’s, look for any unused IRQ. Any number not displayed between 1 and 15 should be an unused IRQ. On a NIC ISA, your only choices for IRQ are 3, 5, 6, 7, 10 and 11. If any of these IRQ numbers are free, you need modify the NIC ISA jumper settings and BACstac protocol settings. Proceed to step 3. If there are not any free IRQ numbers, see IRQ Cannot be Modified.
3) If you have found an unused IRQ, you MUST configure the BACstac Port Table and move the jumpers on the NIC ISA to reflect the new IRQ. Click CANCEL to close the Computer Properties dialog box.
4) Shut down the PC. Move the IRQ jumper on the NIC ISA to the desired IRQ setting. See NIC ISA Jumper Settings for details. Restart the PC.
5) After the PC boots, proceed to Configuring the BACstac Protocol.
**NIC PCI Device Conflict**

If you have a device conflict, you need to change the IRQ setting on the conflicting device(s) to resolve the problem.

1) Follow steps 1 and 2 under Hardware Conflict
2) Look for the IRQ used by the Contemporary Controls PCI20-485D driver. (It should be the same as the one you documented earlier). Look for this number elsewhere in the list. It will probably be shown at IRQ Holder for PCI Steering. THIS IS OK. If it is shown at another location, this is a device conflict.
3) In the list of IRQ’s, look for any unused IRQ. Any number not displayed between 1 and 15 should be an unused IRQ. If there is an unused IRQ, you need to modify the PCI20 driver settings to use the unused IRQ. If there is not an unused IRQ, proceed to IRQ Cannot be Modified.
4) Click CANCEL to close the Computer Properties dialog box. Under DEVICE MANAGER, double click the PCI20 category then double click CONTEMPORARY CONTROLS PCI20-485D. Click the RESOURCES tab.
5) You will see USE AUTOMATIC SETTINGS with a check box beside it. If the box is checked, click to uncheck it. Click the CHANGE SETTING box. If a dialog box THIS RESOURCE CANNOT BE MODIFIED opens up, you cannot manually change the IRQ. If you can change the setting, proceed to step 4. If you cannot change the setting, proceed to IRQ Cannot be Modified.
6) A box USE BASIC CONFIGURATION 0000 will be displayed. Click the arrow at the right side of the box. If other configurations are available, choose one. After selecting a different IRQ, you MUST configure the BACstac Port Table to reflect the new IRQ. Proceed to Configuring the BACstac Protocol. If no other configurations are available, the IRQ cannot be modified. See IRQ Cannot be Modified.

**IRQ Cannot be Modified**

If the IRQ cannot be modified, or there are no unused IRQ’s, there are several procedures you may need to try. You can explore removing or disabling the conflicting hardware/driver, however this may be impossible as the device or driver may be needed by other systems. You may be able to or disable any unused COM ports. Disabling a device, such as an unused Com Port, will free up an IRQ for use by the NIC card, BACstac protocol or PCI20 driver. Another option is to physically move the NIC card into another PCI slot. Some PC’s have specific IRQs assigned to a slot. Also, the BIOS in some PC’s will allow you to assign an IRQ to a slot. If you have a free IRQ you can assign it to the slot your using. One of these methods should allow the NIC card, BACstac protocol or PCI 20 driver to begin functioning. To disable a device, go to step 1. To remove hardware, go to step 3. To assign an IRQ, go to step 4.

### Disable a Device
1) Select the device to be disabled. To disable a device, double click the device name in the DEVICE MANAGER tab. A properties dialog box will open. A box with Disable in this Hardware Profile beside it will be displayed. Clicking the box will apply a checkmark, which indicates the device will be disabled.
2) Click OK twice to exit. Windows will probably ask to be rebooted. Reboot the PC. Proceed to step 6.

### Remove Hardware
3) Shut down the PC. Removing the offending hardware. Reboot the PC. Proceed to step 6.

### Assign an IRQ
4) Access the BIOS as the PC is booting. There are various keystrokes used by different manufacturers to access the BIOS, the PC should display the keystroke(s) required during bootup. After entering the BIOS, look for PCI or PNP setup, or something similar, possibly under a heading labeled ADVANCED. It’s impossible to give explicit instructions due to the variations in the large number of BIOS’s in use. Once you’ve found the PCI setup area, look for options to change the IRQ assignments for each slot, or slots. Change the IRQ to the free IRQ you found earlier.
5) Save the BIOS change and exit, then reboot.
6) If you have a NIC PCI proceed to Record Settings for the NIC PCI driver for Win 95/98. If you have a NIC ISA, proceed to Configuring the BACstac Protocol.
**MSGSVR32 Error When Booting**

If you get a MSRSVR 32 error message from windows while booting up after installing a NIC ISA, there is a conflict between windows and the NIC ISA card’s base address. Change the base address on the NIC card from 0300 to 03E0. See NIC ISA DipSwitch Settings for details. You **must** be sure to configure the BACstac Protocol to use base address 0x3E0.

**Error In DLL Module…**

During Synergy Software installation encountered "Error in DLL module xxx, installation aborted…" There is an older version of the specified DLL file installed on the system. You need to delete the offending DLL file from the Windows\System directory, then re-install the Synergy Software.

**Missing Parse DLL**

Received the error "Missing Parse.DLL..." while importing programming information from synergy controllers. Uninstall the Synergy software by opening Control Panel, double clicking on Add/Remove Programs, highlighting Synergy Configuration and click on Add/remove. After the software has been uninstalled, re-run Synergy setup. Error should go away.
NIC ISA Configuration Settings

NIC ISA Configuration Jumper Settings
(FACTORY SETTING)

Jumper JK2
INSTALLED (FACTORY SET)

I/O ADDRESS
DIP SWITCH
SETTING
0x300
(FACTORY SETTING)

Alternate I/O ADDRESS
DIP SWITCH
SETTING
0x3E0

Network Termination Jumper Setting
(FACTORY SET - PARKED
TERMINATION OFF)
NIC PCI Jumper Settings

TERMINATION AND BIASING JUMPERS

FACTORY CONFIGURATION (PARKED)

STATUS LED's

NETWORK CONNECTION (SEE BELOW FOR DETAILS)

STATUS LED's

SHIELD

NETWORK -

NETWORK +