

Logicmaster 90 Locks Up With Message "Busy Please Wait... or ID:0000 EX:0000"

For Windows NT, 95/98, MS-DOS:

If you attempt to enter LM90 Hardware Configuration and pressing F1 for "I/O" or F2 for "CPU" causes the "Busy, please wait ..." message to occur, resulting in the LM90 locking up, or ID: 0000 EX: 0000 occurs while configuring modules, you probably do not have enough DOS conventional memory available. If you are communicating with the PLC serially, you can obtain additional conventional memory by configuring LM90 to load the serial communications driver into EMS memory. (solves most issues for users with Windows NT 4.0).

This can be accomplished by the following steps:

1. From Menu90 select **F9** Logicmaster 90 Setup Package
2. Then select **F4** ... PLC Communication Options
3. Select EMS for the "Driver Memory Area."

For Windows 95/98, MS-DOS:

If the steps above do not solve the problem you may need to optimize your DOS memory usage. Set the "Driver Memory Area" back to Automatic (you can also try leaving it set to EMS). Check your config.sys file (located in C:\config.sys) for the following:

For Windows 95/98:

```
DEVICE=C:\WINDOWS\HIMEM.SYS
DEVICE=C:\WINDOWS\EMM386.EXE RAM 1024 I=B000-B7FF
DOS=HIGH,UMB
FILES=30
BUFFERS=20
```

For MS-DOS:

```
DEVICE=C:\DOS\HIMEM.SYS
DEVICE=C:\DOS\EMM386.EXE RAM 1024 I=B000-B7FF
DOS=HIGH,UMB
FILES=30
BUFFERS=20
```

The config.sys file can be edited with the DOS editor by typing the following from a MS-DOS Command Prompt: edit c:\config.sys
-or-

Select "Run" from the Windows Start button and type in: sysedit

Be sure to save your changes and a reboot of your PC is required for the changes to take effect.

The key here is to get your "**Largest executable program size**" to somewhere above **596K** which will allow room for the Communications Driver to load into the DOS memory area and provide room for Logicmaster 90. Note, you may need to have your PC DOS memory above 600K for program folders with large configurations. Free memory can be checked by typing from the command prompt: mem