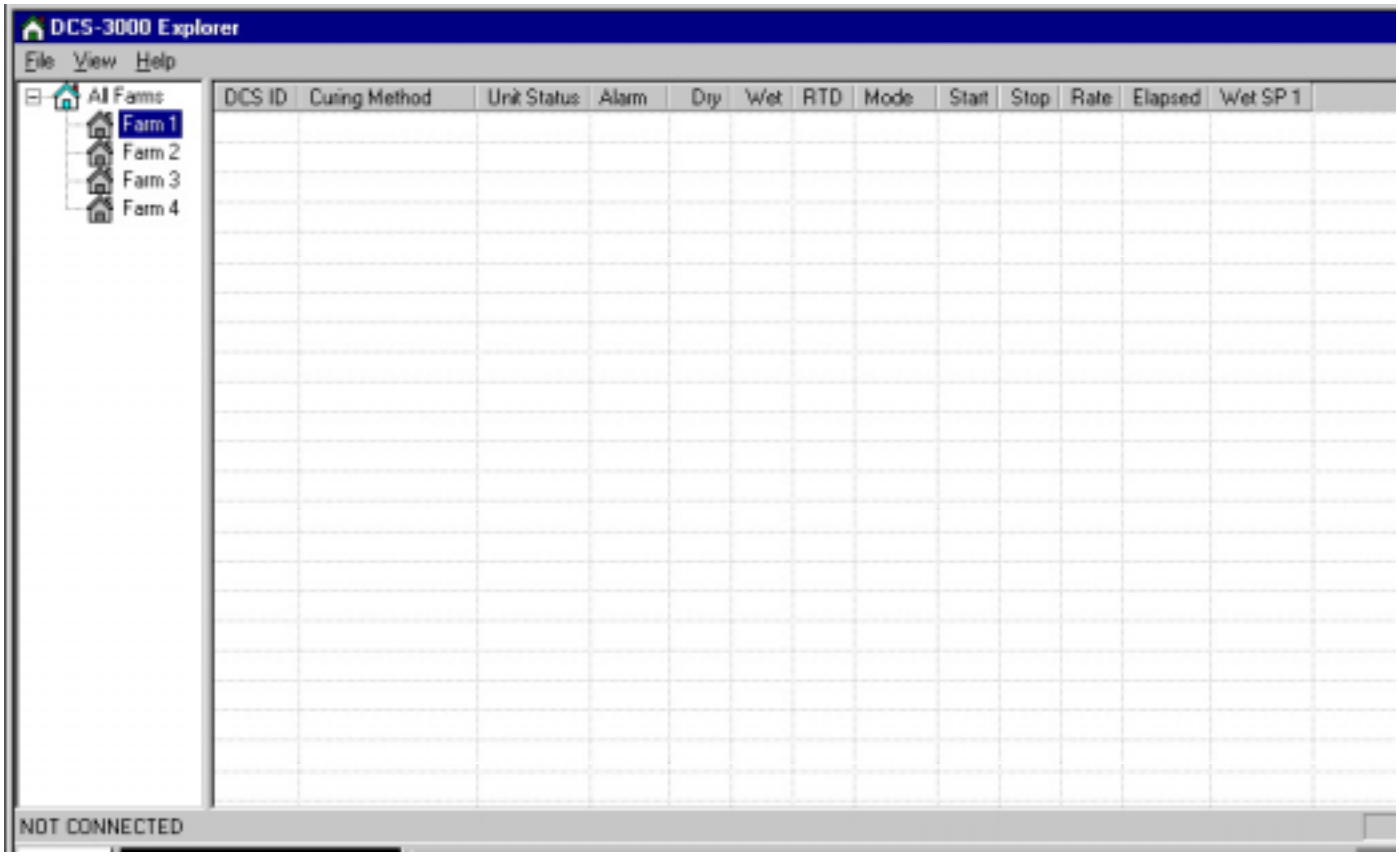
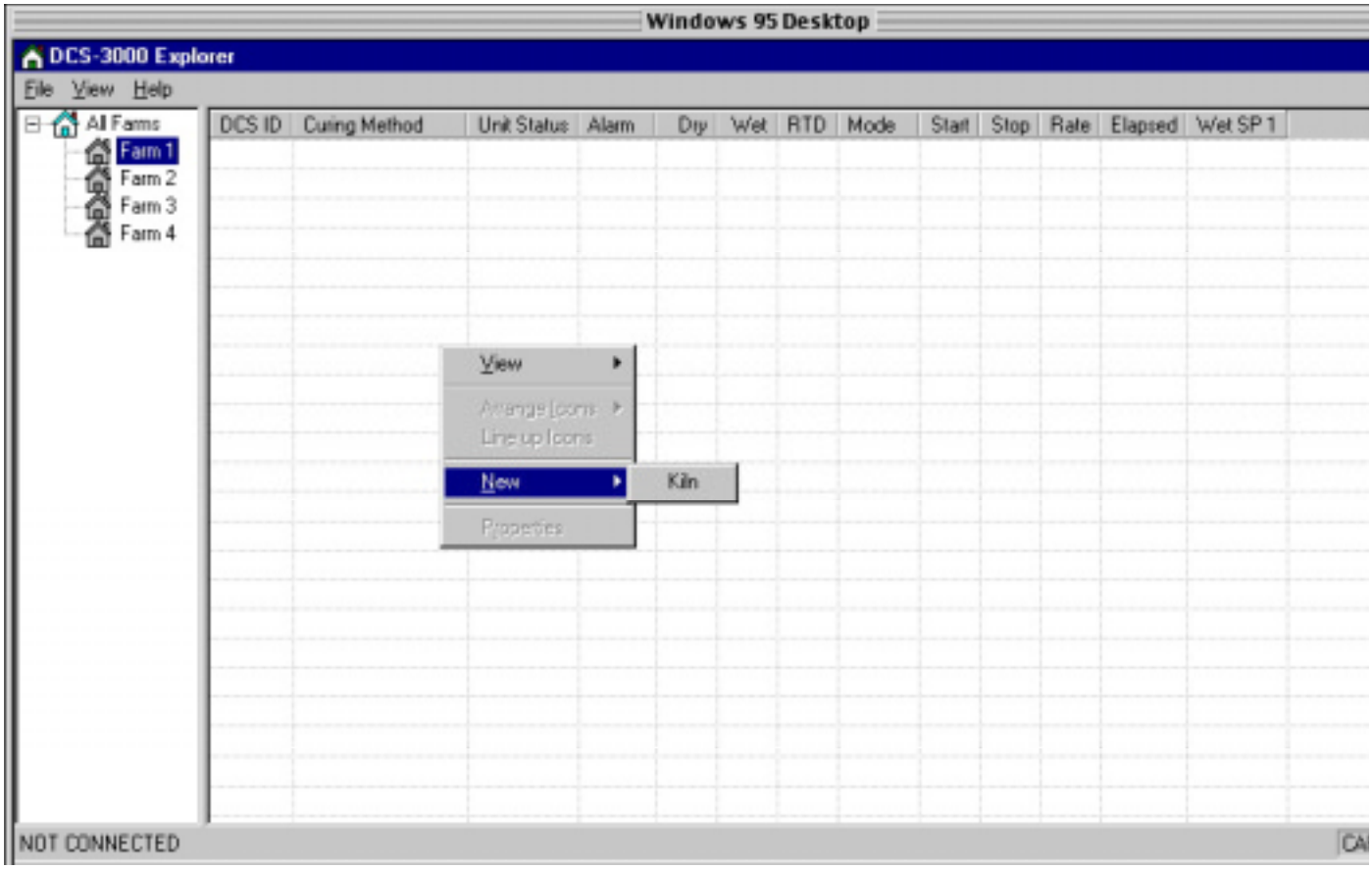
EIL3000/SVS

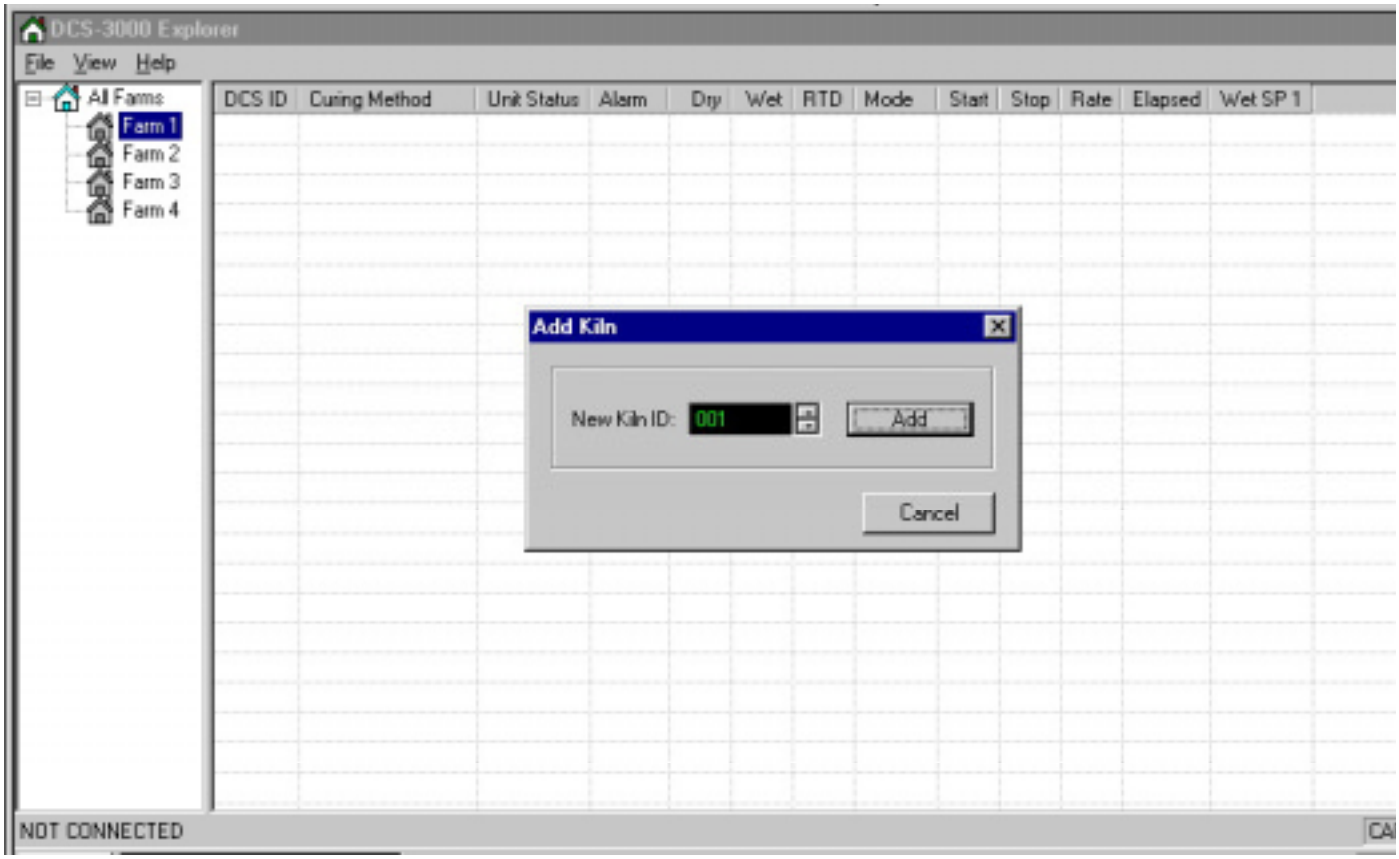
Supervisory Software Operating Manual



When you start the program for the first time you will be greeted by a blank screen. You now need to tell the program which controller ID's you want to monitor on each of up to 4 locations. If you have more than one location you can choose whether you will be connecting locally (hard wired) or through a modem. If you have both types of connection choose COM1 for the local connection and COM2 for the modem connections. All remote locations can be connected one at a time through the same modem, since each location can have its own unique telephone number.



To tell the program which controllers to monitor, click on one of the farm icons and then right click the mouse on a blank part of the screen. The above menu will appear. Drag the mouse down to New, across to kiln and click.

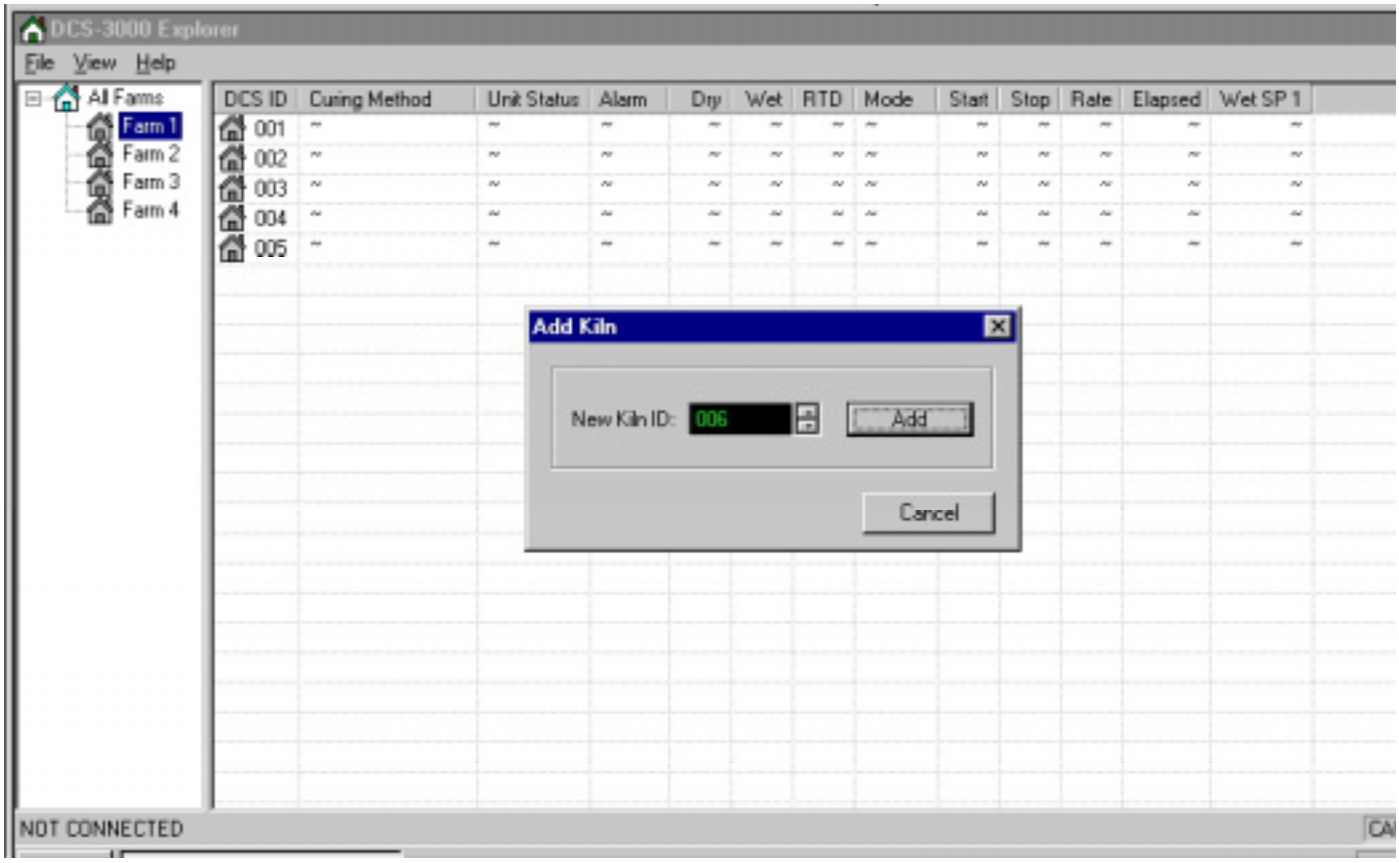


Before you do this step you must first locally assign unique kiln ID's to each EIL3000 controller in setup. This is explained in the EIL300 Control System Manual

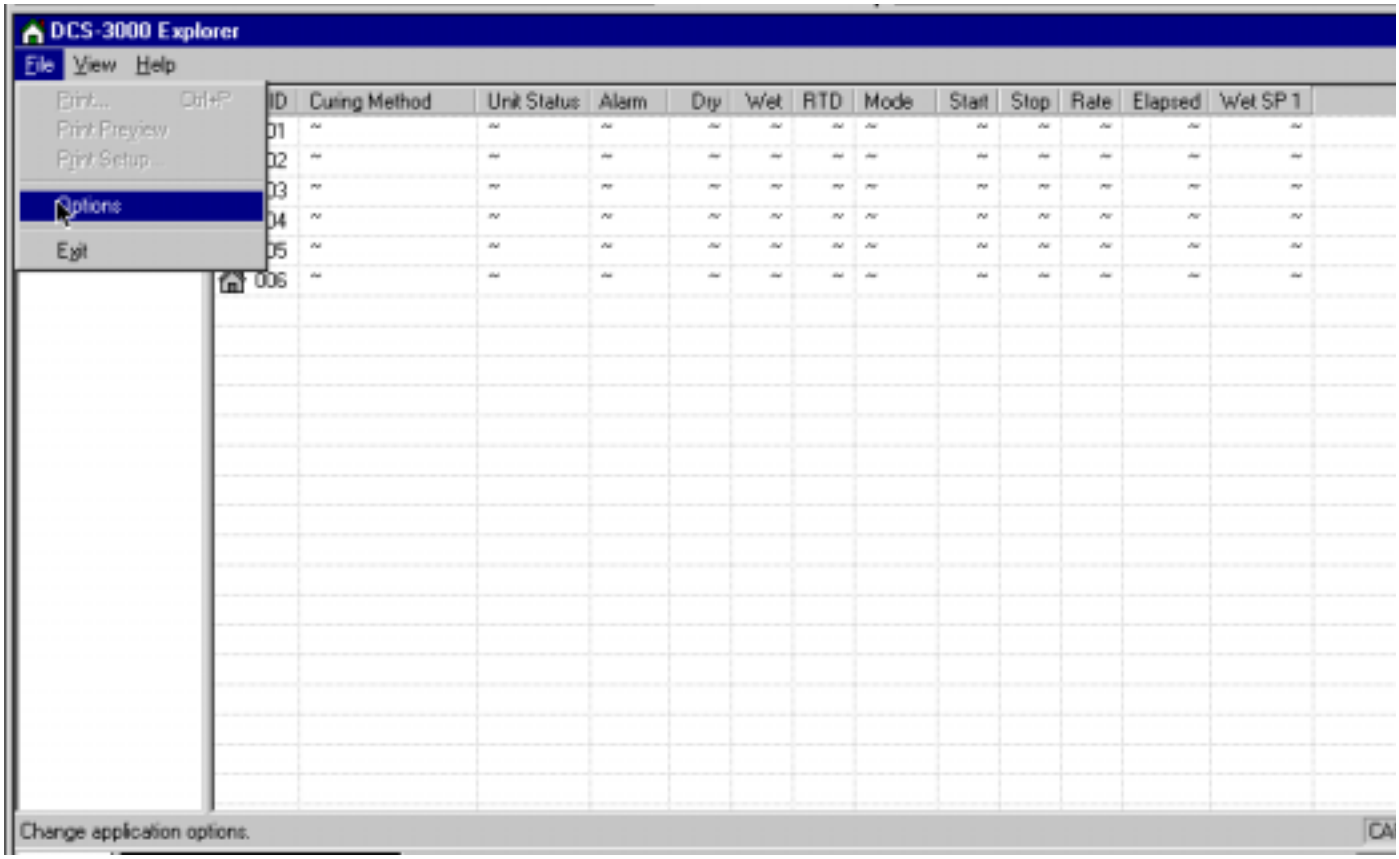
If you will be logging data from your kilns you should have unique numbers for all the kilns you monitor. You could have the kilns ID's for Farm 1 begin with 001 and kiln ID's for Farm 2 begin with 050 for example. Since the logged data will be stored with kiln ID's this will prevent mixing up data from different farms. You can use ID's from 001 to 253

Select the first kiln ID to be added by using the arrow buttons in the scroll box and then clicking Add. The kiln added will appear in gray and the number will increase by one in the New Kiln ID box. If the kilns have sequential numbers you can continue to click add until all the kilns in the yard are shown. If you wish to skip some kilns you can use the scroll arrows to bypass certain numbers.

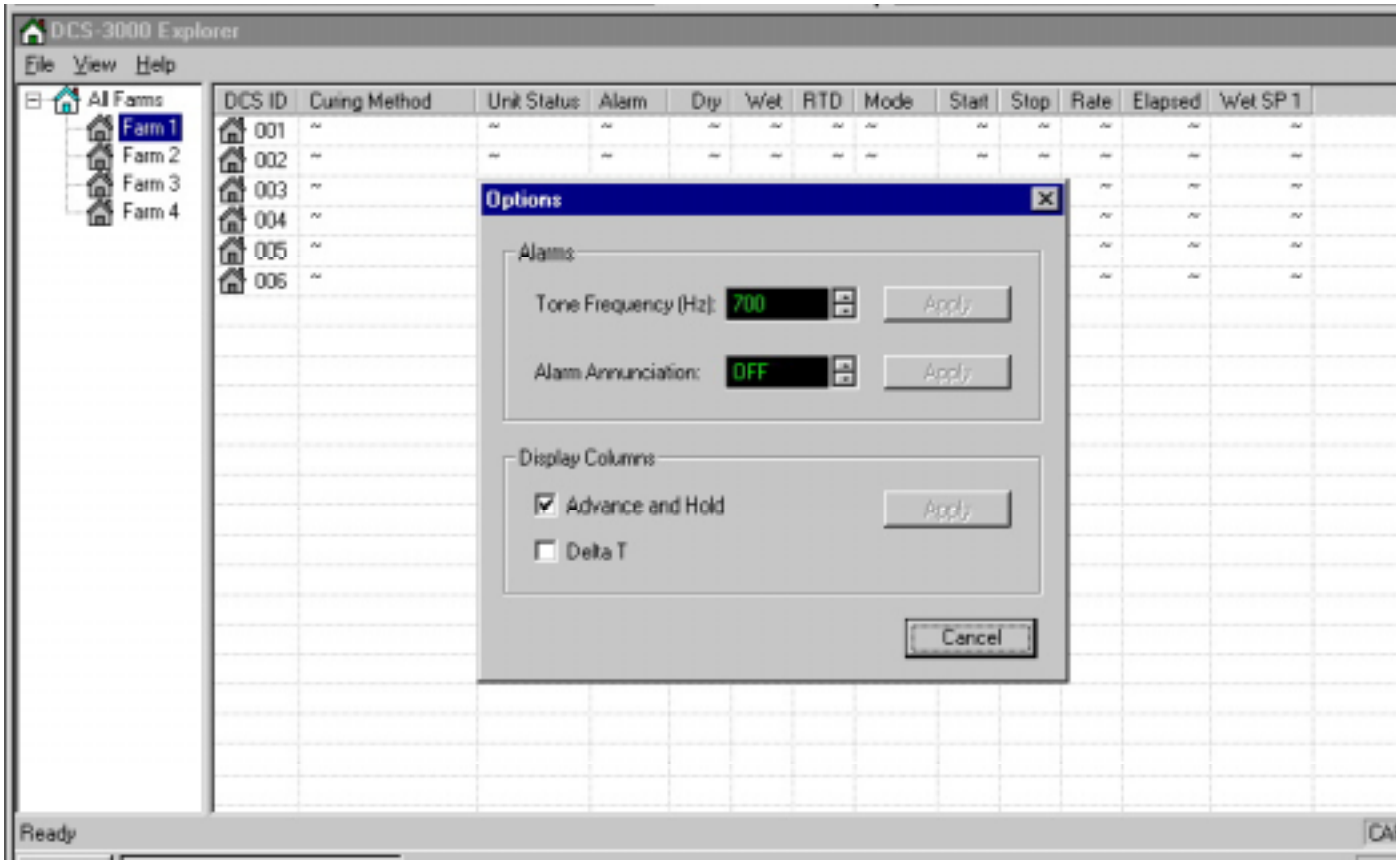
.



Continue adding kilns until all the kilns at the specified farm have been added.



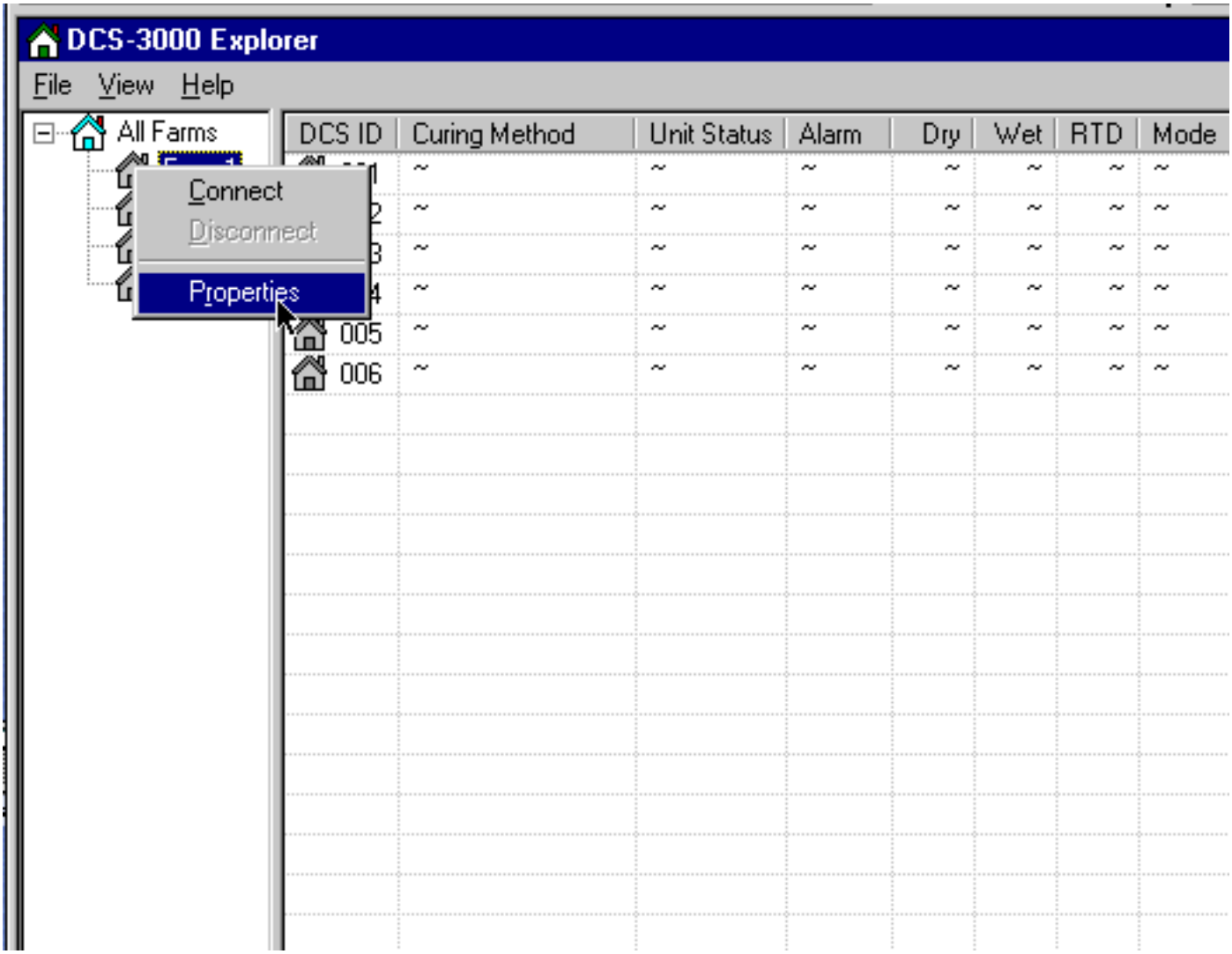
To set the alarm and choose how data will be displayed on all farms select File and then Options.



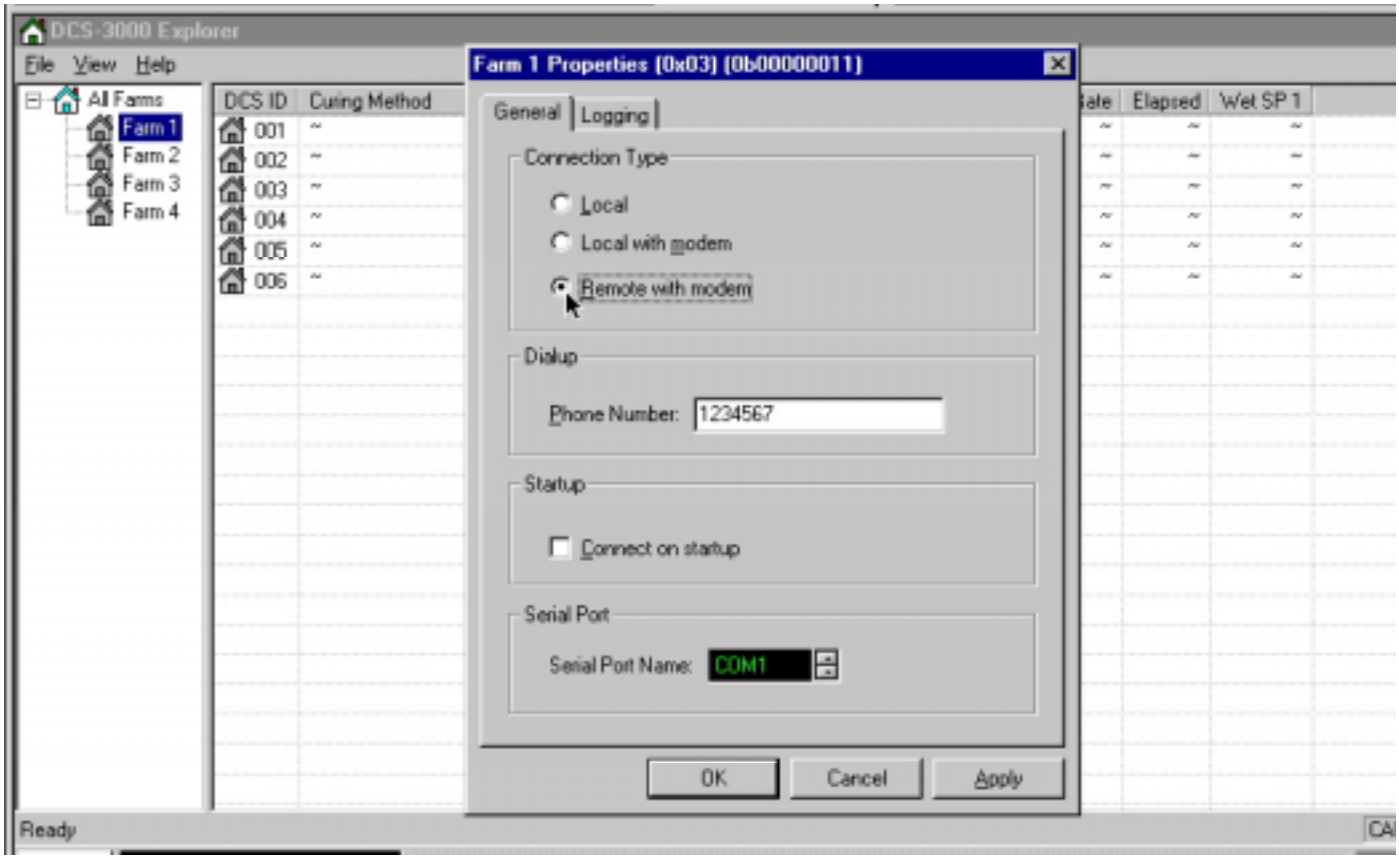
This dialog box appears to let you:

- Select whether you want an audible or silent alarm if the system detects that one of the temperature set points is more than 10 degrees away from the actual value
- What frequency this audible alarm has
- What columns of information will be displayed

Close the dialog box by clicking the X in the upper right corner when you have finished.



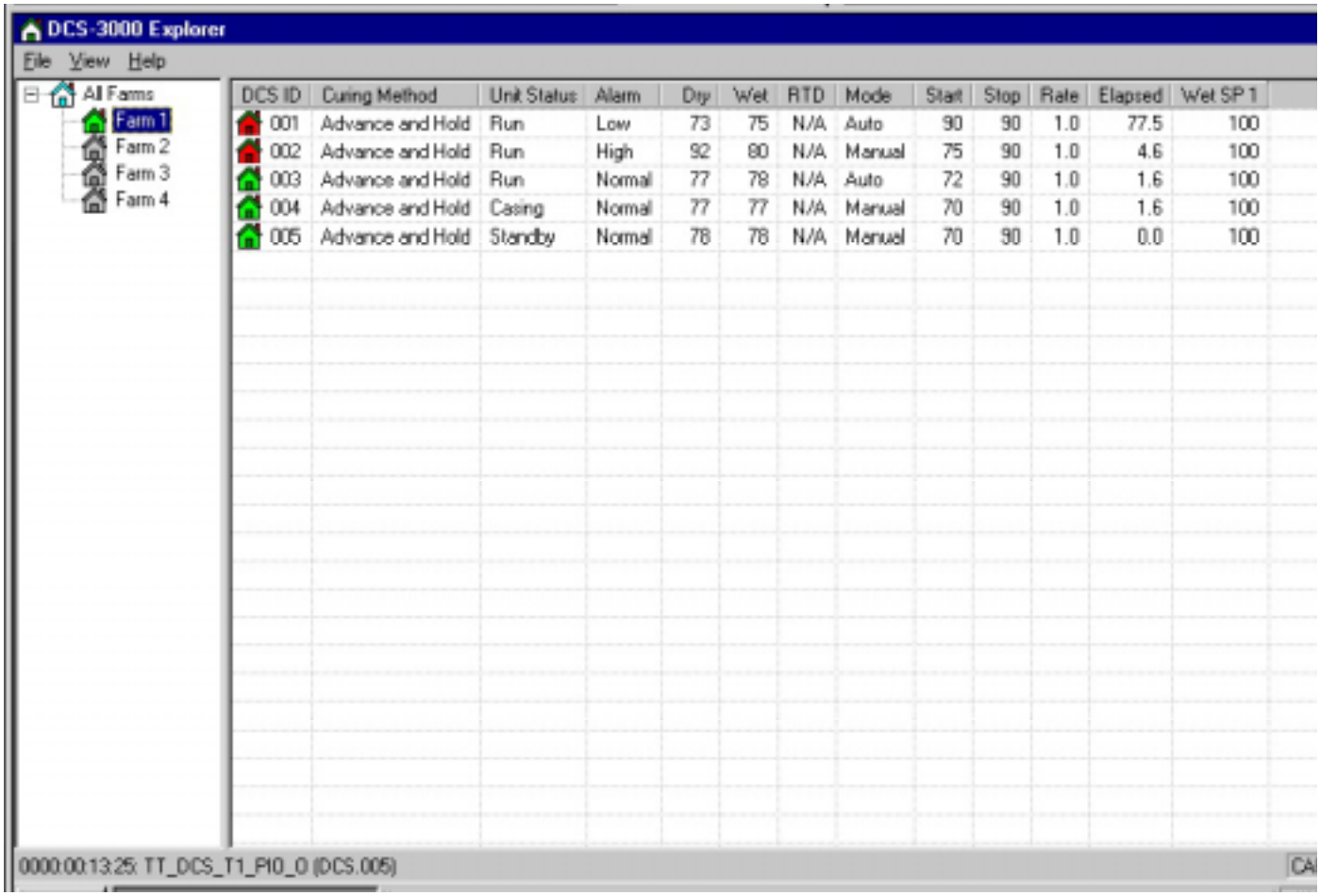
To set up the kiln connection for each farm right click on the farm icon and choose properties.



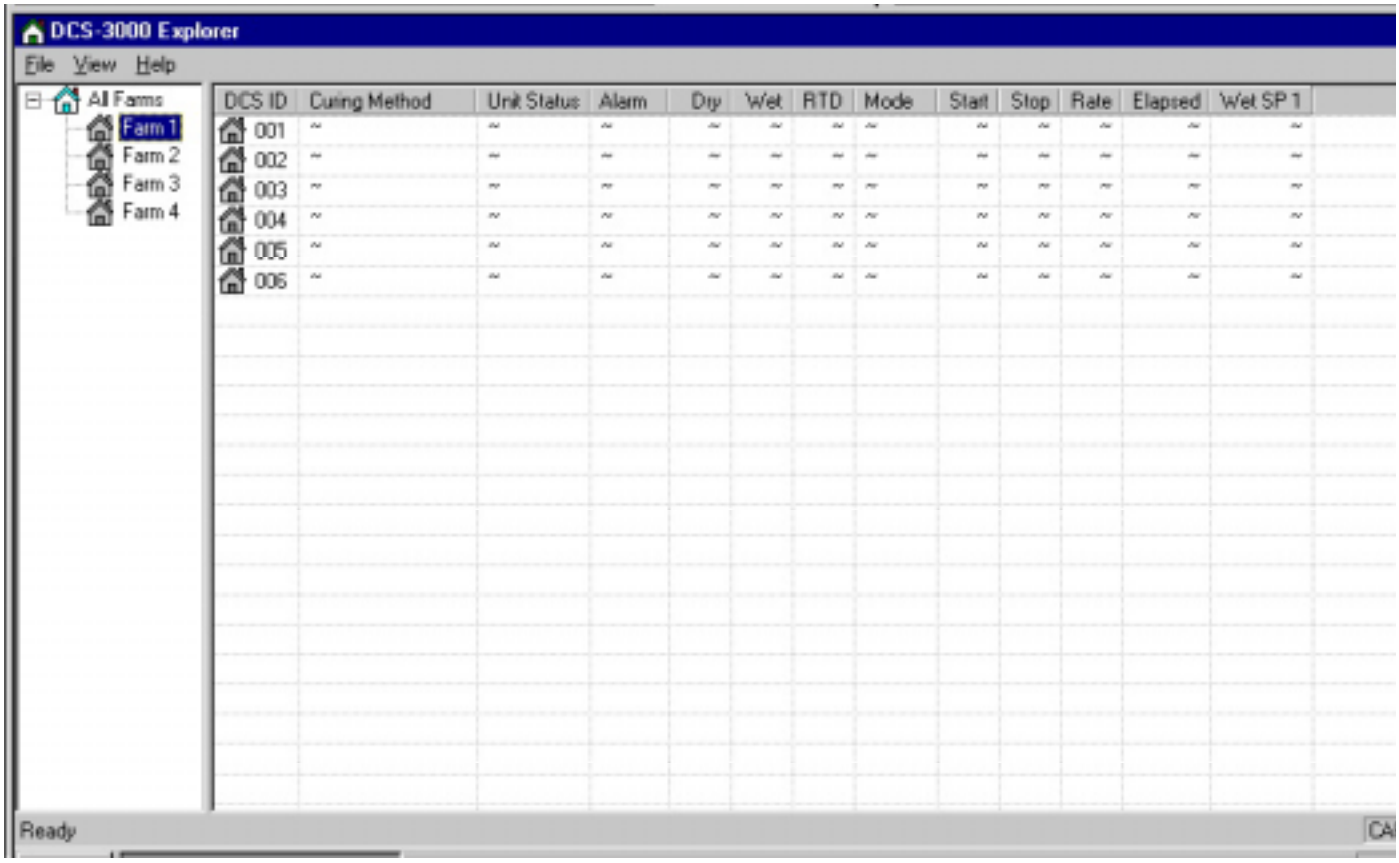
Complete the following information in the dialog box:

- Whether the kiln is local or connects through a modem
- If a modem will be used enter the telephone number for the farm
- Specify whether COM1 or COM2 should be used for this connection

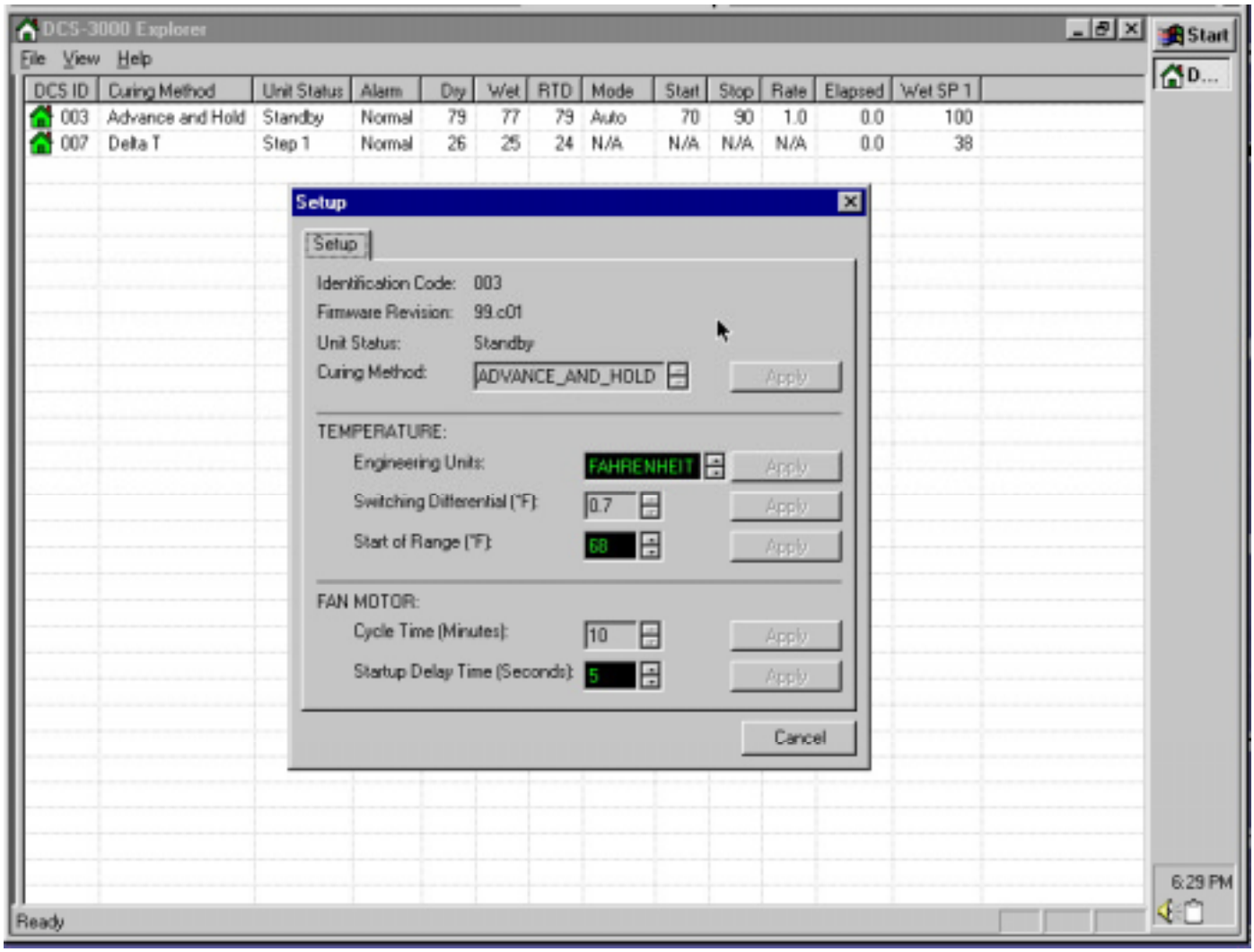
Close the dialog box by clicking the X in the upper right corner.



All kilns should now be displayed.

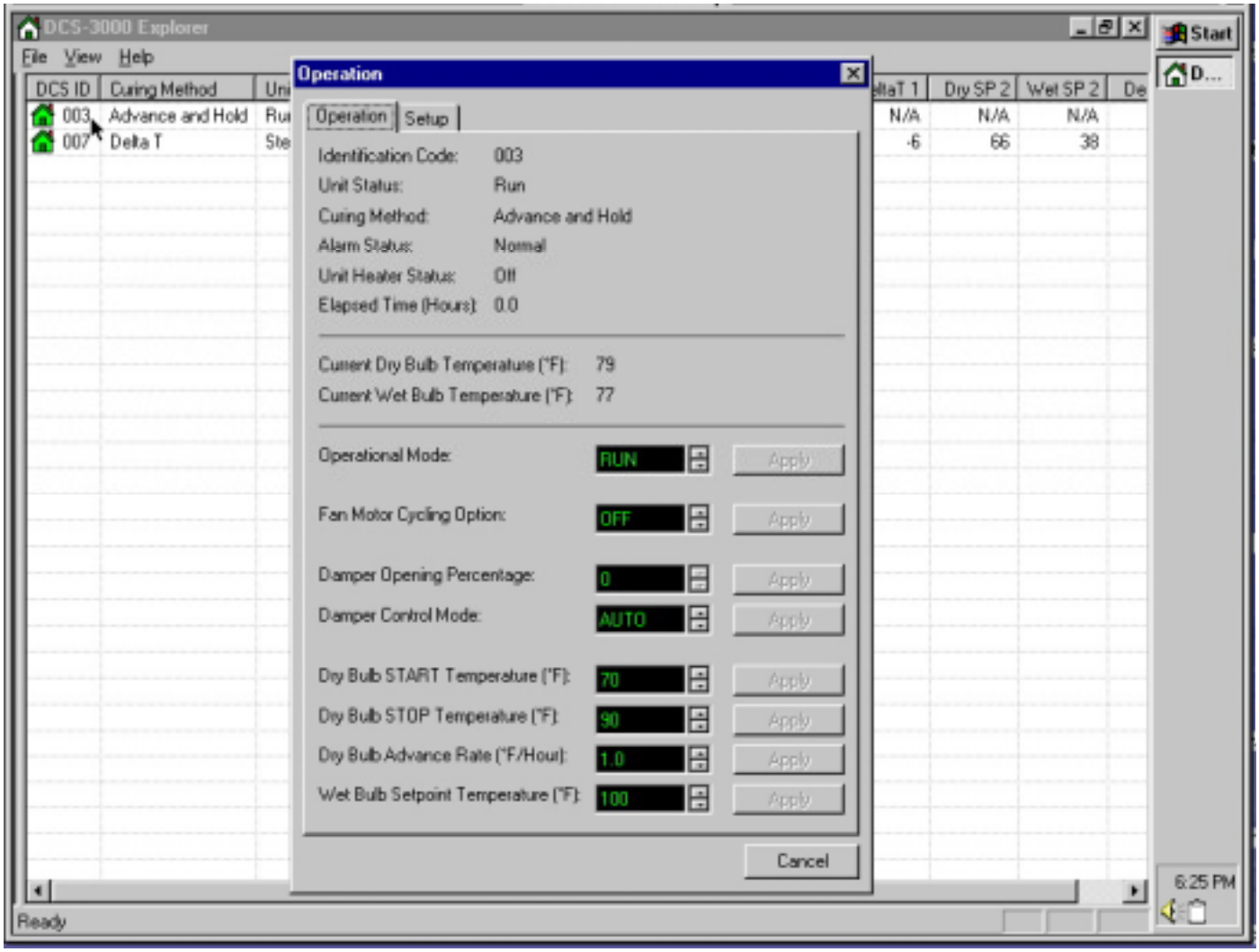


To view or change the setup of a kiln right click on a kiln icon and chose Setup. The kiln must be in standby to do this. If the kiln is operating this option will be ghosted or greyed out.



From this dialog box you can change:

- the temperature scale between Celcius and Fahrenheit
- the start of range (the lowest setpoint you can program in operation mode)
- The motor start up delay after a power failure (this feature only works for EIL3000 controllers with EIL3100 expansion modules)

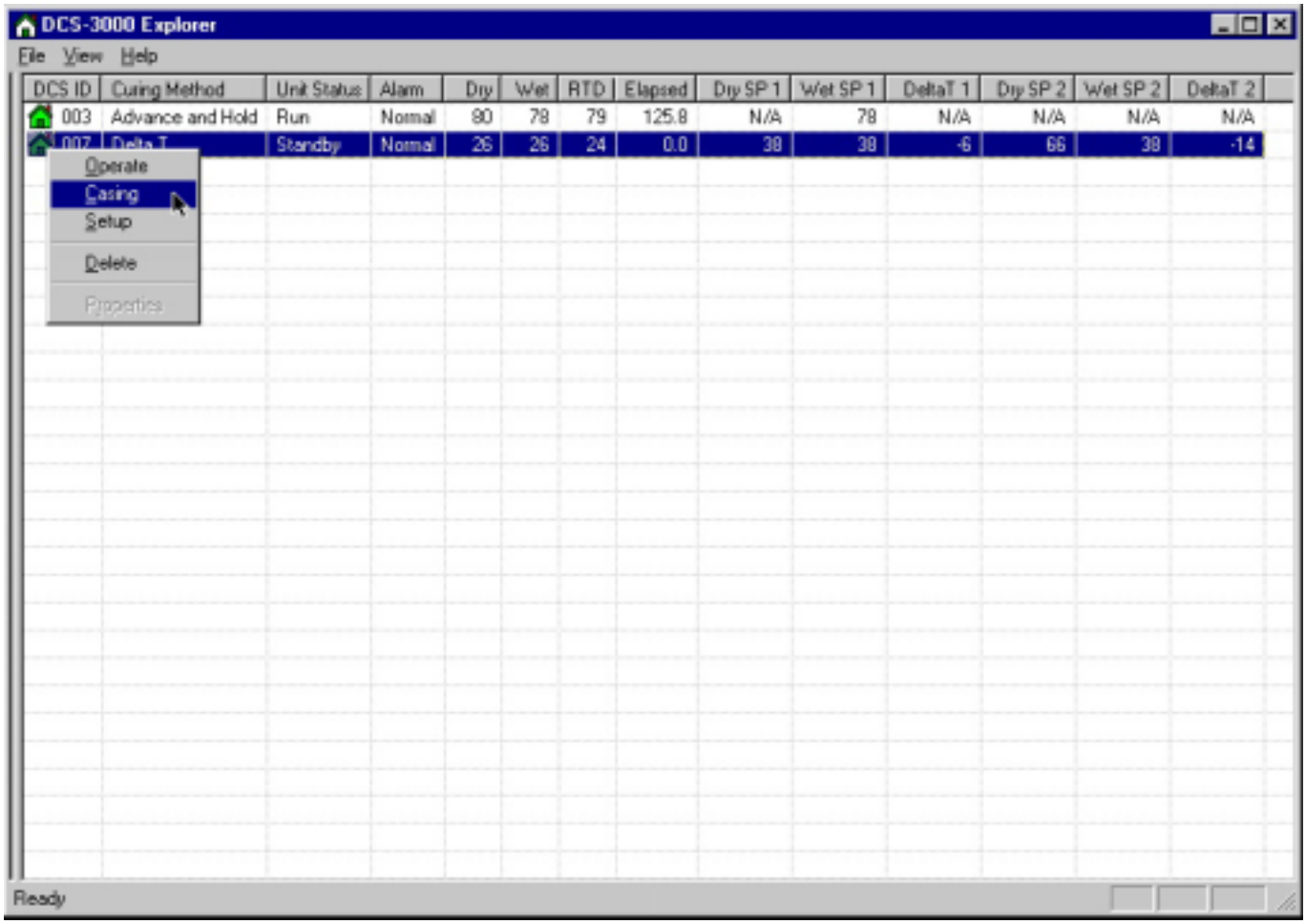


Advance and hold dialog box

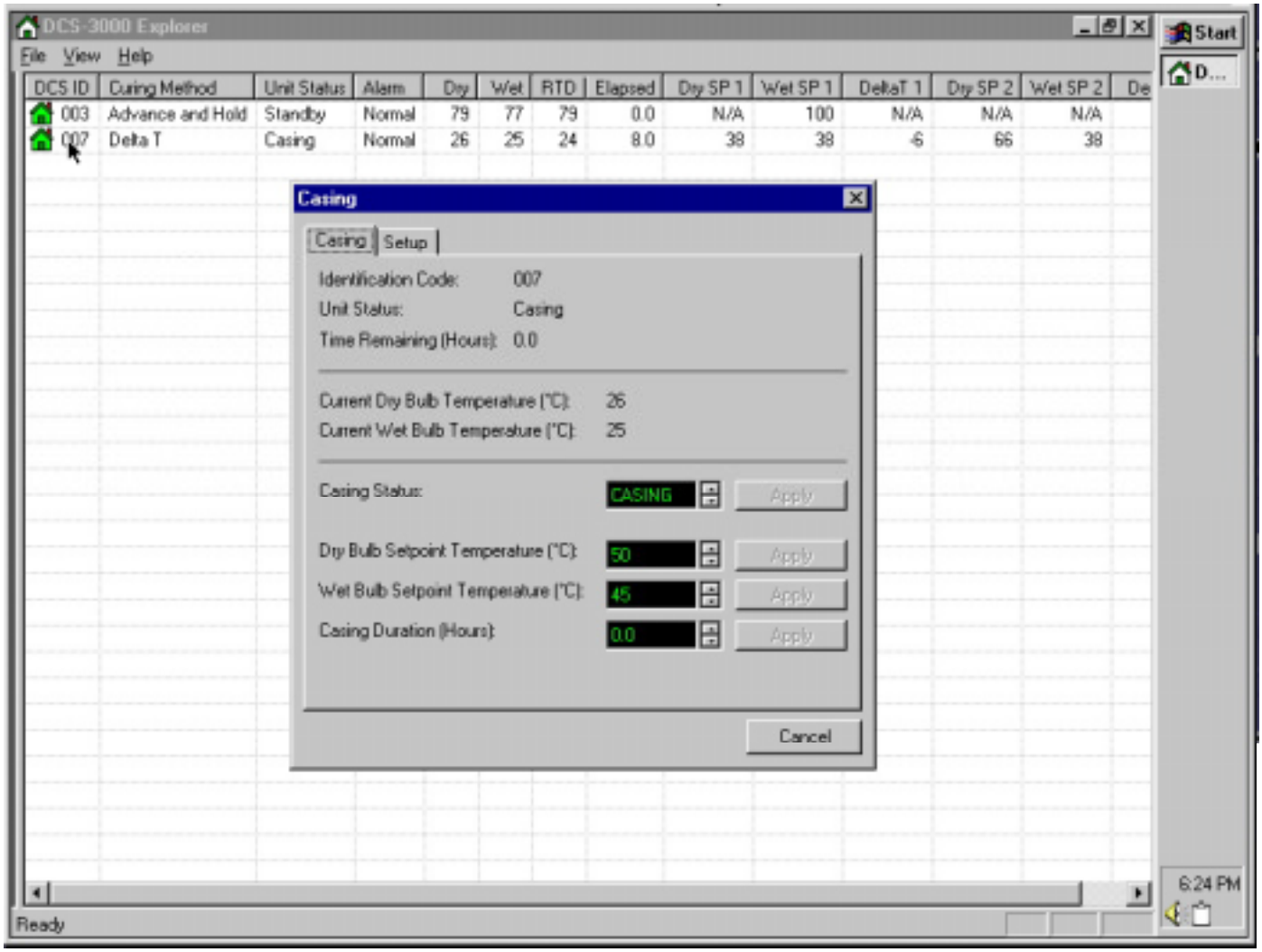
To change the setpoints or any of the operating parameters double click the desired house icon to bring up this dialog box.

Use the arrow buttons to change values and then press “Apply” to send this information to the EIL3000 controller.

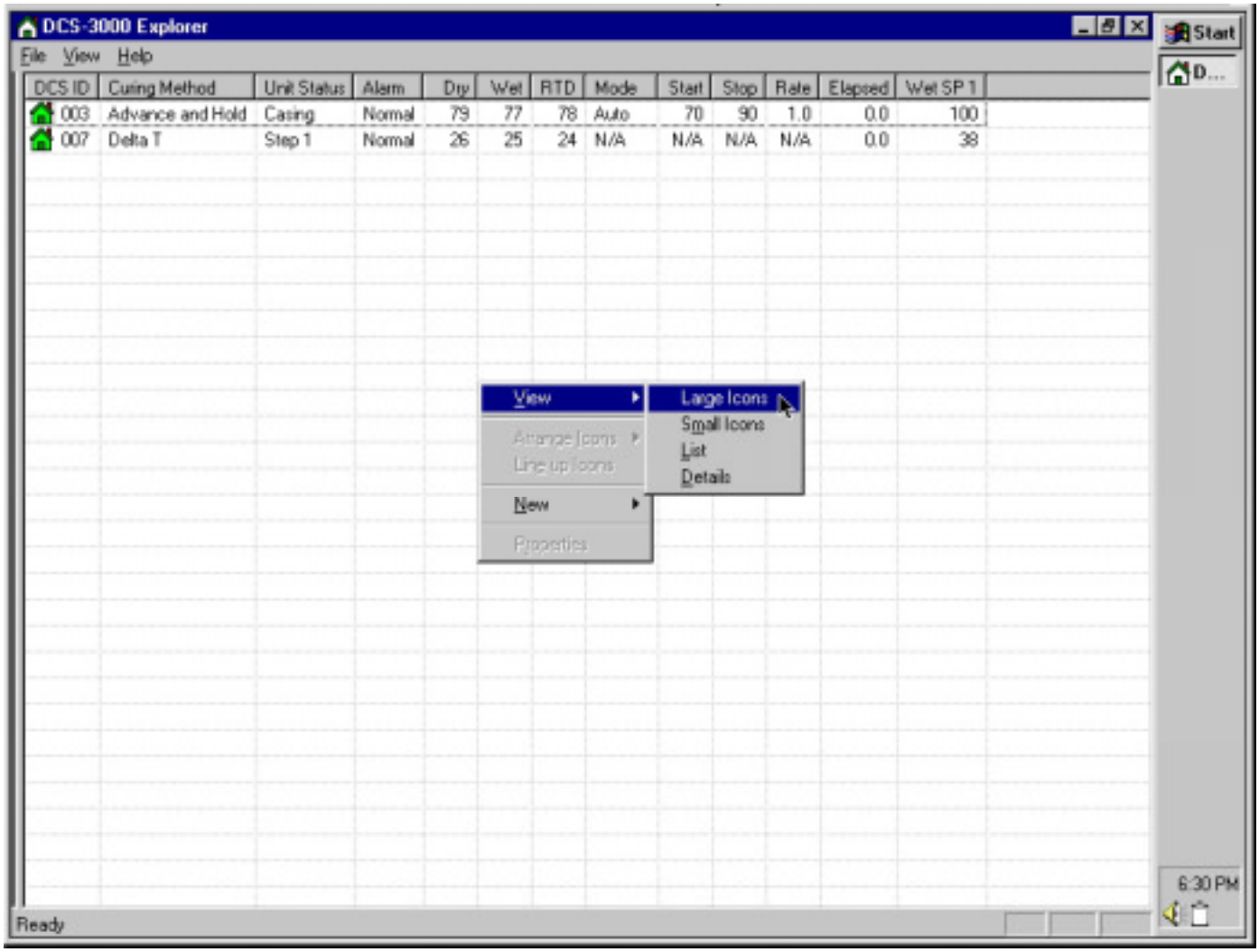
If the arrow keys are ghosted (greyed pout) it means that this parameter can not be changed. For example you can not change the damper opening percentage if you are in auto damper control mode.



Right click on a house icon and chose Casing if desired.

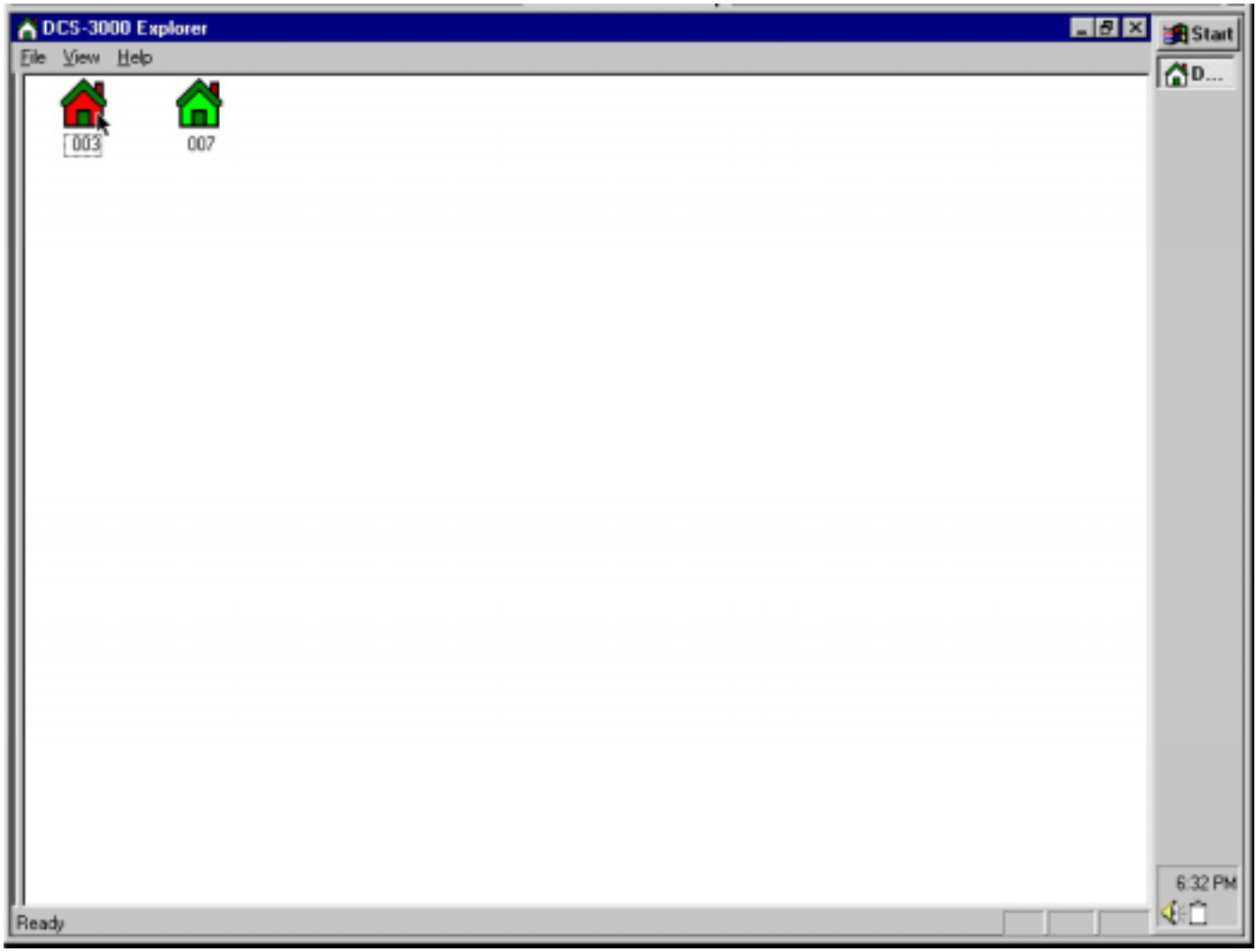


From this dialog box you can start and stop casing as well as change setpoints and casing duration.



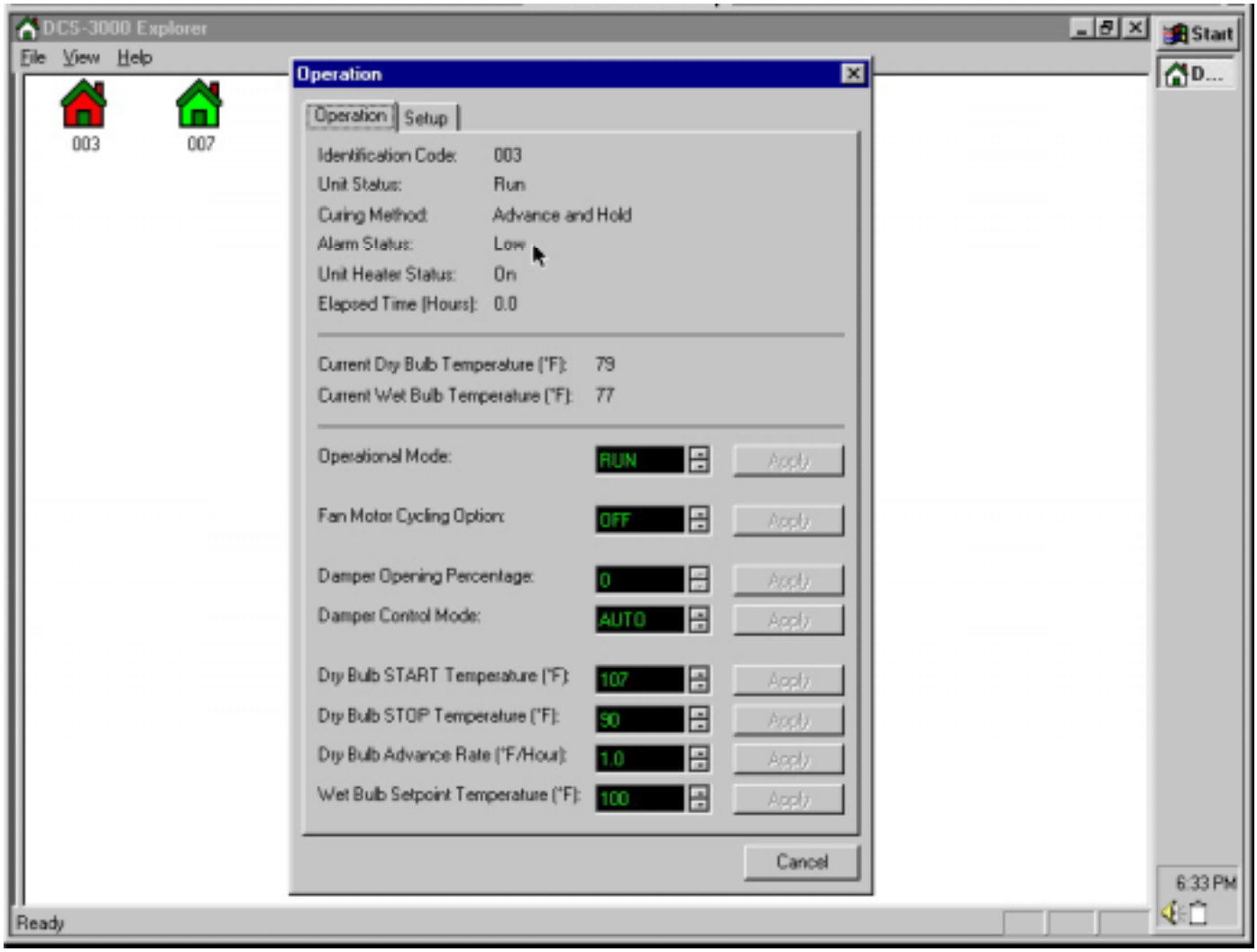
You may find it convenient to view the entire kiln yard in large icon format.

Right click on a blank part of the screen and select View and then Large Icons.



A small picture (icon) will appear for each specified kiln in the yard. Kilns with operating temperatures within specifications will appear in green, those in alarm will be red and those not responding will be in grey.

Double click a house to bring up a dialog box.



From this dialog box you can see that kiln 003 is in low alarm. You can also see that this has happened because the current dry bulb temperature is 79, but the dry bulb start temperature (setpoint) is 107. An alarm occurs if the dry bulb temperature is more than 10 degrees away from the setpoint. An alarm also occurs if the wet bulb temperature is more than 10 degrees above the setpoint.

Retrieving Data from the optional data logger

To start:
Click "house" icon on desktop to start EIL system.
Right click "Farm1" icon and select properties from drop down menu.
Setup as desired and close window.
Right click "Farm1" icon and select connect from drop down menu.
Houses on spread sheet should now be green or red.

To upload data to PC from EIL3200:
Right click "Farm1" icon and select properties from drop down menu.
From properties window select tab marked "Logging"
Network status should say AMS (Alarm Monitoring System) was found.
Press Start to upload data.
The data will be uploaded in 1K blocks. The progress will be reported in this window.
When all the blocks have been uploaded close the window.

Preparing the data for display:
The data is now stored on the hard drive in a folder marked AMS_Logs.
Open this folder.
Select view as details and the "modified" heading to sort in date order.
Double click the most recent file. A batch process will run to separate the data by kiln.

Displaying the data:
Double click the "Graph" icon on the desktop.
Press okay to the dialog box.
Highlight the number 2.
Press the LOAD button
Double click the kiln to be graphed.
Click print if desired.

Installing Software for the first time

Attach external 56K USR modem to Com1 or Com2 on home PC.
Put 3Com-USR modem diskette int A:
>From Start, Click on Settings, Control Panel, Double-Click on Modems.
Click Add, "Do NOT detect my modem I will select it from a list".
Click Have Disk.
Click OK, Next, Com1, Next and Finish.
Click USR 56 K ext.
Click Properties and change maximum speed to 2400 from 19000.
Click Port and change to Com1 or Com2 as appropriate.
Click connection, Advanced and remove the checkmark at "Use Flow Control".
Click Ok and Close.

Put the first install disk in A:
Click on a:NewFarm1.bat to install files to C: from first diskette.
When asked "are you sure?", click "YES".

Click on a:NewFarm2.bat to install files to C: from second diskette.
Click on a:NewFarm3.bat to install files to C: from third diskette.

Click on DCS icon on desktop to run DCS Explorer.

Any downloaded files from an AMS logging monitor appear in DCS\Ams_Logs on desktop.
Double-click DCS on the desktop then double_click ams_logs.
The files are in the form 001_020617101436.alf.
This "alf" file can be dragged and dropped on the "Processdcs" icon on the desktop.
This will create a text file for each kiln in the form 001.txt.
This file can be graphed using the "Graphdcs" icon on the desktop.
Double-click Graphdcs, click OK, click PORT COM2 in upper right.
Click Load and select c:\windows\desktop\dcs\ams_logs\001.txt.

If downloading from more than one farm, create folders for each farm eg:
c:\windows\desktop\dcs\ams_logs\farm1 using "NewFolder" and press the "control" key (bottom left of keyboard) then click and drag the alf and txt files for the current farm and release "control" just before dropping them in farm1.
This will MOVE the files from ams_logs to ams_logs\farm1.