Group3 Control
Remote Diagnostic Utility
G3C Diag Tree (Diag_Tree.EXE)

Version 1.4

04-Aug-2008

This utility allows a computer to access the diagnostic port menus on remote DIs (Group3 device interface modules) and CNAs, without the need to connect a physical terminal to them. It communicates through the installed LCs (loop controllers), which are in turn connected to the DIs via fibre-optic cables. It can simultaneously open a diagnostic port window for every DI connected to the computer via an LC, as long as the LC is not in use by another program.

Operating Notes:

(1) To open a diagnostic port window for a remote DI, its software must be version 5.0 or higher and the loop controller to which it is connected must be running software version 5.0a or higher.

If a loop controller is detected with software of version 5.0a or higher but has DIs connected that have software less than version 5.0, then those DIs won't be detected.

(2) Insert the "G3C Diag Tree" CD into the computer's CD drive.

(3) Double click the "setup.exe" file and follow the instructions.

(4) The manual will be copied into an installation directory you choose.
You can open the manual from the Start Menu:

Start\All Programs\Group3\Diag_Tree_User_Manual V1.4

(5) Run the program: "G3C Diag Tree" from the Start Menu or the new short-cut "G3C Diag Tree" on the Desktop.

Diag_Tree will initially scan your computer for all available LCs (ISA and PCI) then scan the loops for the DIs connected to those LCs. It will create a tree on the left side of the screen, showing each detected LC and DI.

(6) Tree Colours:
Black: LC / DI found and okay for opening a diagnostic port window.
Blue: Diagnostic port window running (either visible or hidden).
Grey: Loop controller already in use by another application (communications enabled).
Magenta: Loop controller running software older than version 5.0a.
Red: Loop controller faulty.

(7) Double-click a DI in this tree to open a diagnostic window. It will open a small window in the right hand pane, at which point the DI link in the tree will turn to blue.

(8) This window is interactive: it displays menus produced by the remote DI and accepts keyboard input from you at the computer. For a full list of the menu commands, refer to section 3 of the "Group3 Control User's Manual" and chapter 3 of the "Group3 Control CNA User's Manual".

(9) When ever you send a command to a DI, by typing, make sure that your control (window focus) is on its particular diagnostic window.

(10) When you close a diagnostic window, it will not actually close the connection between the LC and the DI, but will hide the window. The DI link in the tree will remain blue. It can be opened again by double clicking the DI link in the tree.