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2 CHURCHILL CONTROLS LTD
3 -----
4
5 DATA_LINK 2000 CONFIGURATION AND DIAGNOSTIC TERMINAL
6 -----
7
8 INSTALLATION:
9
10 Run the file SETUP.EXE and follow the instructions given
11
12
13 CONFIGURING DCD:
14
15 By default DCD assumes it can communicate with a Micro_Link via a
16 DCD cable connected to COM1 of the host PC. If a different COM
17 port is used, it must be selected via the menu option
18 Comms/Setup.
19
20 To run Diagnostics, click on the terminal button (below Help on
21 the menu). This opens a new window running Microsoft
22 HyperTerminal. Again, this assumes communications is via COM1. If
23 a different COM port is used, it must be selected via the menu
24 File/Properties. It may be necessary to close and re-open
25 Diagnostics before the change will take effect.
26
27 WINDOWS NT:
28
29 If running DCD under Windows NT, Diagnostics may not work. To
30 overcome this do the following, after installing DCD:
31
32 a) Navigate to the DCD folder, and delete the file HyperTrm.exe.
33 Also delete any file in this folder with an extension .dll.
34
35 b) Copy the file HyperTrm.exe from the folder \Program Files\
36 Accessories\HyperTerminal to the DCD folder.
37
38 If you still experience problems, see Known Problems (2) below.
39
40
41 REVISION HISTORY:
42
43 The version of the installed programme can be found by selecting
44 Help>About:
45
46 V1.00 was the original version, which did not offer plain
47 English descriptions.
48 V1.41 gives a more user-friendly interface, allowing data routing
49 to be set in easily-understandable terminology. It is
50 compatible with all versions of Micro_Link software prior
51 to V2.00.
52
53 V2.00 Adds support of the new features introduced in Micro_Link
54 software version V2.00, including Exception Reporting and
55 separate scan rates for Normal and Low Power outstations.
56 It also includes the facility to add notes to describe each
57 line entry in the data routing table. Note, however, that
58 these notes are not downloaded into Micro_Link, so cannot
59 be uploaded from it. They are, however, saved to disc.
60
61 This version is compatible with all previous versions of
62 Micro_Link software, subject to the following:
63 a) The Normal Outstation Scanning Window and Retries are

64 not used, and should both be set to 0. The parameters
65 entered for Low Power Outstations apply to ALL
66 outstations.
67 b) Exception reporting functions in the Data Routing table
68 will not be recognised.
69
70 V2.01 Corrects the compatibility problems described below
71
72 V2.02 Low Power Outstation Scan Interval units changed from
73 seconds to minutes. This allows the maximum interval to be
74 increased from 18 hours to 26 hours.
75
76 V2.03 Uploading a configuration with 30, 60, 90.. lines in the
77 data routing table caused the upload to abort. Bug fixed.
78
79 V2.10 Previous versions could only print a single page. Now
80 allows multi-page reports.
81
82 Now allows long file names.
83
84 When installing, automatically overwrites any previous
85 version installed in the same directory.
86
87 Now correctly displays RSSI in Data Routing Table
88 (previous versions displayed it as Count 5).
89
90 V2.11 Previous versions saved Normal Window Retries to disc as 1
91 for any non-zero value. Bug fixed.
92
93 Bus_Link Receive timeout was printed with two extra zeros.
94 Bug fixed.
95
96 Complete Comms Fail alarm added.
97
98 RTS/CTS off delay changed to Transmission Delay.
99
100 Link to this Read Me file added to Help menu.
101
102 KNOWN PROBLEMS:
103
104 1) Some combinations of video driver software and hardware are
105 not compatible with HyperTerminal, preventing it from
106 opening correctly. If this problem occurs, try different
107 video settings from the Windows Desktop Start menu Start\
108 Settings\Control Panel\Display\Settings. Try changing the
109 Screen Area and/or Colors. In extreme cases it may not be
110 possible to run HyperTerminal on a particular PC. This is
111 a failing of the Microsoft Hyperterminal programme, not of
112 the DCD software.
113
114 2) On some combinations of PC hardware HyperTerminal may
115 display the message 'unable to open session file'. If this
116 happens, click OK to open a default session. Choose any
117 icon, and name the session 'DCD Diagnostics'. In the next
118 window that opens select communications as 'Direct to Com 1'
119 and in the next window select 9600 bits per second with no
120 flow control. Now select File\Properties\Settings\ASCII
121 Setup and tick Send Line Ends With Line Feeds. Select File\
122 Save As, then navigate to the folder created for DCD. There
123 will already be a file named 'DCD Diagnostics.ht'.
124 Overwrite this with the newly-created configuration.
125
126 3) DCD V2.00 will not allow the user to set the Low Power

127 Outstation Scan Rate or Scanning Window to less than 10
128 seconds. If it is used to configure a Micro_Link
129 running software earlier than V2.00, these parameters
130 apply to ALL outstations. It is not possible, therefore,
131 to configure the system to continuously scan outstations.
132 This problem has been corrected in DCD V2.01.
133
134 4) The new global parameters introduced in DCD V2.00, namely
135 Normal Outstation Scanning Window and Retries are used
136 internally in earlier versions of DCD. If a configuration
137 with non-zero values in these fields is created on V2.00
138 and downloaded to Micro_Link (regardless of its software
139 version), then subsequently uploaded into an earlier version
140 of DCD, it will not be possible to make any changes to the
141 Global data.
142
143 The default value of Retries in V2.00 was 5. In V2.01 it
144 has been changed to 0 to help alleviate this problem.
145
146
147 If you experience problems, call Churchill Controls on
148 0118-9892200 or visit our website at www.churchill-controls.co.uk