

INSTALLATION INSTRUCTIONS

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PROHEAT	X45 DATA LINK 6.00d KIT Data Link Kit Part# PK0053-2 Windows 2000, XP, Vista, 7 G-II Proheat Control Module (PCM) ONLY				
	The X45 Data Link software allows technicians to download the X45 operation history from the Proheat Control Module (PCM). It records operational events and errors in sequence allowing technicians to assist with product troubleshooting.				
Option 1	Computer has a Serial (RS232) port. Install software as per Software Installation and then go to How to Run the Program .				
Option 2	Computer does not have a Serial (RS232) port. In this case, a USB-Serial converter will be required. This is included in the PK0053-2 Data Link Kit. Alternatively, a commercial USB-Serial converter may be purchased from an electronics store. Go to USB-Serial Converter Set-Up first then install software as per Software Installation followed by How to Run the Program .				
Software Installation NOTICE Periodically check www.proheat.com for the latest PK0053-2 software.	 If software is downloaded from <u>www.proheat.com</u>, proceed to Step 3 Insert the X45 Data Link CDROM into your CD drive. Open <i>Windows Explorer</i>. In the folders pane under <i>My Computer</i>, double-click on the <i>d: drive</i> icon (or the drive letter for your CD drive). Double-click X45 G-II Data Link Install 6.00d file from the folder. The WinZip self-extracting archive will prompt you as shown in Figure A. Click Unzip. Click Close to complete installation. 				
	WinZip Self-Extractor - X45 G-II Data Link Install To unzip all files in this self-extractor file to the specified folder press the Unzip button. Unzip to folder: c:\proheat_datalink60d Browse Close Image: Imag				

Figure A.



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- 2 Open Windows Explorer and povidate to all probat
- 2 Open *Windows Explorer* and navigate to *c:\proheat_datalink60d* folder.
- 3 Double-click on *Proheat.exe*. Figure C should be displayed.



Figure C.

4 Follow the on-screen instructions to download (type 'D') or view an existing file (type 'V'). Figure D is an example of the data displayed. Use the up-arrow, down-arrow, Page Up, Page Down keys to navigate through the data. For more information about STATE/EVENT and ERROR columns, refer to the X45 manual on www.proheat.com or contact Product Support at www.proheat.com.



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NOTICE

- The Download date defaults to the date set on your computer.
- Download time is approximately 3 minutes.
- Downloads will be automatically saved to c:\proheat_datalink60d folder.

PROHEAT DATALINK 6-00d HISTORY FILE	
Teleflex (Canada) Ltd. c 2006	
Total Hours: 469:35:45.9 Owner: Flame Hours: 298:06:38.8 Heater Serial #: Total Cycles: 481 PCM Serial #: Duty Cycle: 63% Download Date:	
TOTAL HOURS STATE/EVENT COOLANT ERROR TEMPERATURE HOURS::MN:SEC (C) (F)	INPUT VOLTAGE
469:34:59.8 Powered On ?1 160 469:34:59.8 Run 81 128 Coolant Pi 469:34:59.8 Run 81 128 Coolant Pi 469:34:59.8 Cycled On 49 128 Coolant Pi 469:32:22:24.3 Switched On 43 189 469:22:22:4.3 Switched Off 86 187 469:22:23:6 Switched Off 83 181 469:22:23:6 Switched On 83 181 469:22:23:6 Switched Off 86 182 469:19:11.8 Cycled Off 88 190 469:12:01.3 Cycled On 58 136 469:12:01.3 Cycled On 48 136	ump (11) 28.6 27.9 28.8 26.6 28.9 26.9 27.2 24.4 27.1 27.9 27.9

Figure D.

USB-Serial Converter Set-Up 1 The USB-Serial (RS232) converter must be configured to communicate through COM1, COM2 or COM3. The following instructions are for the Windows XP operating system. The instructions are similar for other Windows operating systems. If you need further assistance, please contact Product Support at www.proheat.com.

- **2** Install the USB-Serial adaptor as per the manufacturer's instructions. The USB-Serial adaptor driver must be installed from the CD or the manufacturer's website.
- **3** Insert the USB-Serial adaptor into a USB port on the computer.
- 4 Right-Click on My Computer icon on the Desktop. Click on the Hardware tab and then the Device Manager button as shown in Figure E.





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NOTICE

The USB-Serial adaptor may not be defaulted to COM4. This is for example only.

- 5 Expand the Device Manager window to see the **Ports (COM & LPT)** as shown in Figure F. Locate the USB-Serial Comm Port. In this example, it is defaulted to COM4.
- 6 Right-click on the adaptor and left-click on Properties.



Figure F.

7 Click on *Port Settings* and then the *Advanced* button as shown in Figure G.

Prolific USB-to-Serial Comm Port (CC	0M4) Properties 🛛 🖪 🎅 🔀							
General Port Settings Drive Details								
<u>B</u> its per second:	9600							
<u>D</u> ata bits:	8							
Parity:	None							
<u>S</u> top bits:	1							
Elow control:	None							
Advanced Bistore Defaults								
	OK Cancel							





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NOTICE

The USB-Serial adaptor may not be defaulted to COM4. This is for example only.

8 Change the USB-Serial *COM Port Number* from the default to COM1, COM2 or COM3 as shown in Figure H. Click 'OK' to close the Advanced Settings for COM window followed by 'OK' to close the Communications Port Properties windows.

If COM1, COM2 or COM3 are all in use, repeat Steps 6–8 to reassign one of the ports to free up COM1, COM2 or COM3 and then repeat Steps 6–8 to assign the USB-Serial to COM1, COM2 or COM3. For example, reassign COM1 to COM30 and then assign the USB-Serial to COM1.

Advanced Settings for CO	1 4						E?X
✓ <u>U</u> se FIFO buffers (req Select lower settings t Select higher settings	uires 16550 o correct c for faster p) compatible UAR onnection problen erformance.	T) ns.				OK Cancel
Receive Buffer: Low (1)				— Ç	High (14)	(14)	Deradits
<u>T</u> ransmit Buffer: Low (1)	с	5 1 5	1	— 	High (16)	(16)	
COM Peet Number: COM4	~	>					,
Figure H.							

9 The USB-Serial converter is now set-up to communicate with the software. Go to *Software Installation* followed by *How to Run the Program*.