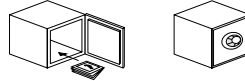


LonWorks Commissioning Interface

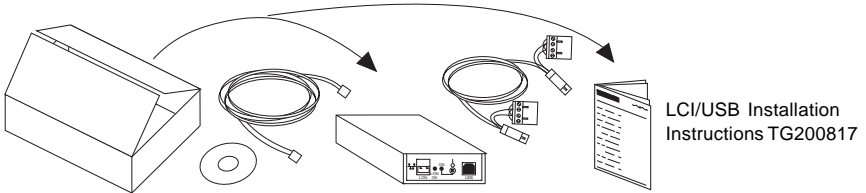
Important: Retain these instructions



CONTENTS

		3	Installation	1	
1	Unpacking	1	4	Uninstalling the USB Drivers	8
2	Storing	1	5	Disposal	8

1 UNPACKING



2 STORING



3 INSTALLATION

1 Dimensions (mm)

2 Requirements

a

b

3 INSTALLATION (Continued)

3 Install USB Drivers (If not already Installed)

Windows XP

- a Insert LCI/USB Drivers CD.
- b Follow instructions on screen. The following dialogue box is displayed.

Windows 2000

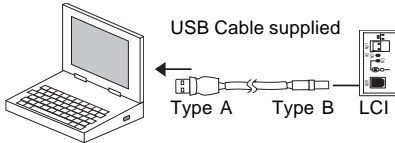
- a Insert LCI/USB Drivers CD.
- b Follow instructions on screen.



- c Click **Continue Anyway**. The installation will continue.
- d The dialogue box is displayed again click **Continue Anyway**. The installation will continue.
- e The installation is complete when all dialogue boxes disappear.

4 Connect to PC

Caution: Do Not remove the USB connector during use.



Note that the LCI may only be used to access a local IQ system, connection to remote systems using TMN or other similar communication nodes is not supported.

5 Hardware Installation

Once the LCI/USB is connected to a USB port for the first time the PC will install the new hardware. This process varies depending on the operating system. *Note that connecting the LCI/USB to a different USB port causes the hardware installation to occur again.*

Windows 2000

- a When the LCI is connected to the USB port (see (4)) the following dialogue box is displayed.
- b The dialogue box will change indicating the progress of the installation.
- c This process repeated. When no more dialogue boxes are displayed the installation is complete.



3 INSTALLATION (Continued)

5 Hardware Installation (Continued)

Windows XP

a When the LCI is connected to the USB port (see (4)) the following dialogue box is displayed.



b Select **No, not this time** and click **Next >**. The following dialogue box is displayed.



c Select **Install the software automatically (Recommended)** and click **Next >**. The following dialogue box is displayed.



d Click **Continue Anyway**. The following dialogue box is displayed.



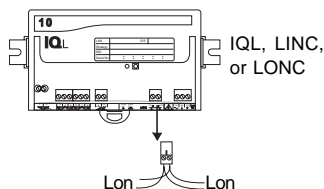
e Click **Finish**.

f The process is repeated. When the dialogue box above is displayed for the second time click **Finish**.

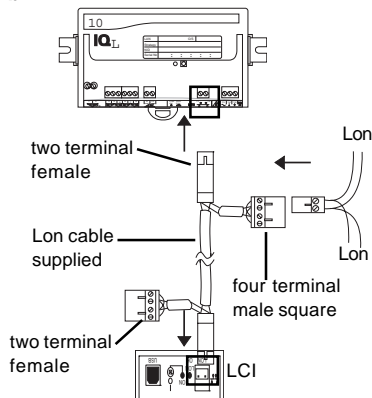
6 Connect to Lon

either: If connecting to LINC, LONCs, IQLRouters or to IQLs with a square two part Lon connector (all IQLs excluding older /24VAC versions of IQL10 to IQL13).

a Remove Lon connector



b Connect adapter cable

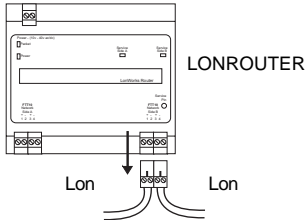


3 INSTALLATION (Continued)

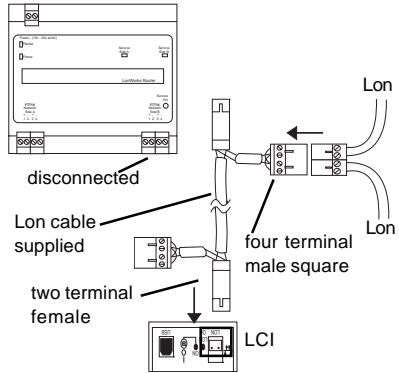
6 Connect to Lon (Continued)

or: If connecting to Lon device with with round two part Lon connector (e.g.older LONROUTER) .

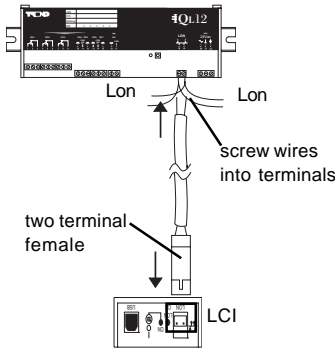
a Remove Lon connector



b Connect adapter cable



or: If connecting to Lon device with single part connector (e.g.older /24VAC versions of IQL10).



Do not allow wires to cross on a loop



7 Check LCI on Lon



LON OK (green)



Flashes every 24 s, ON after 1½ mins



(Check Lon, LINCs)

Note that the LON OK LED will be extinguished if there is a problem with the Lon cable, or power is not being supplied by the USB cable.

3 INSTALLATION (Continued)

8 Identify COM port

Before it is possible to communicate with the LCI it is necessary to find out the COM port number assigned to the USB port so that it can be specified when setting up the software to communicate using the LCI/USB.

- a Right click My Computer and click **Properties** from the displayed menu. The **System Properties** dialogue box is displayed.
- b Click the **Hardware** tab and then click **Device Manager**. The **Device Manager** is displayed.
- c Click + next to Ports (COM & LPT) and check the port number assigned to Novar Trend LCI USB.

Note that each USB port is assigned a different COM port number.

9 Set Up Software

Configure the software to communicate with the IQ System using the LCI. It is necessary to set the software to communicate using the COM port assigned to the USB port see (10) at a baud rate of 19200. For details of how to do this see the documentation supplied with the software.

3 INSTALLATION (Continued)

10

Configure LCI (If required)

The LCI will operate out of the box under normal circumstances; only change parameters if necessary.

Configure using suitable software tool (e.g. text comms window in SET) and text comms to address 10 Lan 0 or address 0 Lan 0. Set baud rate to 19K2.

	Parameter	Setting	Function	Only change if
R(..address	L - own address	Default=119	Device address of LCI	if more than 1 LCI being used
	N - own LaN	Default=1	Lan number of LCI	if more than 1 LCI being used
	D - identifier	"LCI"	Identifier attribute of LCI	For alarm ident
	r - LonWorks retry time	750 mS	Time (mS) between message retransmission following non-acknowledgement.	See Trend LonWorks Products Engineering Manual for details
	i - LonWorks interpacket delay	75 mS	Time (mS) between frames of data in a multi-frame message.	
	a - LonWorks service class	2	Defines whether messages are repeated and whether acknowledgements are expected. 2 specifies acknowledgement and repeat if not acknowledged up to three times.	
	b - LonWorks Buffer size	buffer size (bytes) Default = 146	Specifies the size of message frames sent on Lon.	If routers separate IQLs, LINCs, LONCs and have buffer size smaller than 146 bytes - set to smallest buffer size. (minimum = 66)
	m - LonWorks Message code	code number. Default = 64	Code used by IQLs, LINCs, LONCs; all LINCs/LONCs must use same code.	If message code being used by other users - must be exclusive to IQ System.
	v - Native messaging	0	Setting to 1 enables LCI to send and receive LonWorks message frames in encoded format. 0 = disabled, 1=enabled.	If using with special native messaging software tools.
	p - Send service PIN	0	Setting to one causes LCI to send service PIN message to Lon and set itself back to 0.	To generate message to install on LMT, or to identify LCI to system.
M - Lon Terminator State	default = 0 (OFF)	Setting to 1 turns on the LCI's Lon terminator	Only turn ON if experiencing communications problems. The Lon terminator can also be turned ON by pressing the Lon Terminator button.	
TARP	default = 1 (ON)	Setting to 0 turns TARP OFF	Set to 0 in most situations. If there is one or more, LINC or LNC2 on the Lon section, there could be IQs on attached Lan(s) and their addresses can only be found by using TARP and so TARP should be set to 1. LCI's, LINC's and LNC2's which do not share the same Lon section do not need TARP, so TARP should be set to 0	
z - Reset Node Flag		When set to 1 the LCI resets and clears the node status and comms statistics. When set to 2 the node status and comms statistics are cleared.	Set to required value to reset information.	

3 INSTALLATION (Continued)

11 Configure LCI (Continued)

If Communication problems Press Lon Terminator Button. Lon Terminator LED illuminates.

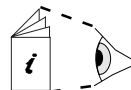


12 Install using LonWorks Network Manager Tool

If System already installed on Lon Network ManagerTool

Or

If one Trend Lon device is installed, all must be installed.

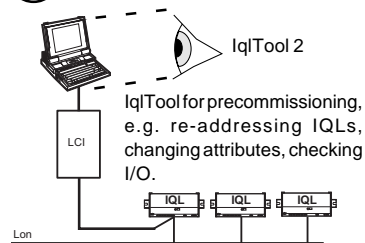


When installing LCI in LonWorks tool, send service pin message when requested using configuration parameter 'p' as described above in step.

See LonWorks network management tool manual. See Trend LonWorks Products Engineering Manual TE200292. LonWorks System Integrator must have LonWorks engineering expertise.

Note this will be sent to Lon not to RS232 port.

13 Test system



14 De-install from LonWorks Network Manager Tool

If removing from system when previously installed.

See LonWorks network management tool manual. See Trend LonWorks Products Engineering Manual TE200292. LonWorks System Integrator must have LonWorks engineering expertise.



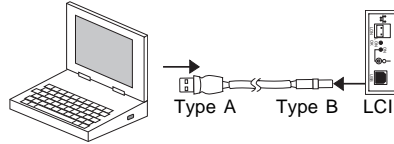
4 UNINSTALLING THE USB DRIVERS

If required the LCI/USB drivers can be completely removed from the system by following the procedure below:

1 Disconnect LCI/USB

- a Close all applications using the port.

2 Disconnect LCI/USB



3 Uninstall Drivers

- a Run FTDIUNIN.EXE located in the windows system directory.

4 Delete Driver Files

- a Delete the c:\program files\trend control system\LCI-USB Drivers directory.

5 DISPOSAL



WEEE Directive :

At the end of their useful life the packaging, and product should be disposed of by a suitable recycling centre.

Do not dispose of with normal household waste.
Do not burn.

Manufactured for and on behalf of the Environmental and Combustion Controls Division of Honeywell Technologies Sàrl, Ecublens, Route du Bois 37, Switzerland by its Authorized Representative, Trend Control Systems Limited.

Trend Control Systems Limited reserves the right to revise this publication from time to time and make changes to the content hereof without obligation to notify any person of such revisions or changes.

Trend Control Systems Limited

P.O. Box 34, Horsham, West Sussex, RH12 2YF, UK. Tel: +44 (0)1403 21888 Fax: +44 (0)1403 241608 www.trend-controls.com

Trend Control Systems USA

6670 185th Avenue NE, Redmond, Washington 98052, USA. Tel: (425)897-3900, Fax: (425)869-8445 www.trend-controls.com