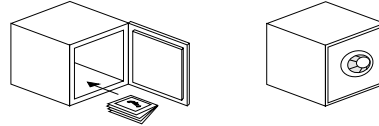


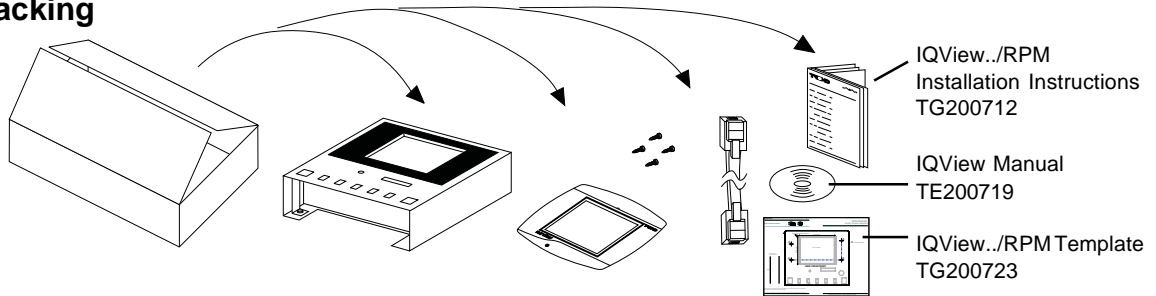
Important: Retain these instructions



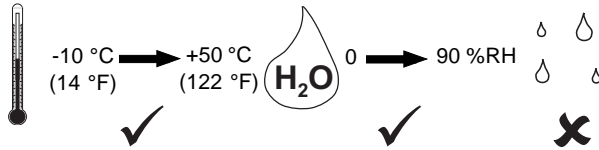
CONTENTS

1	Unpacking	1	3.1	Installation - Mounting	1
2	Storage	1	3.2	Installation - Configuration	6
3	Installation Instructions	1	4	Disposal	10
			5	End User Licence Agreement	11

1 Unpacking



2 Storing

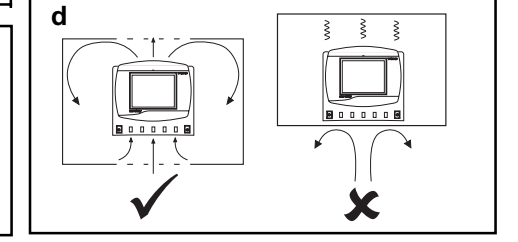
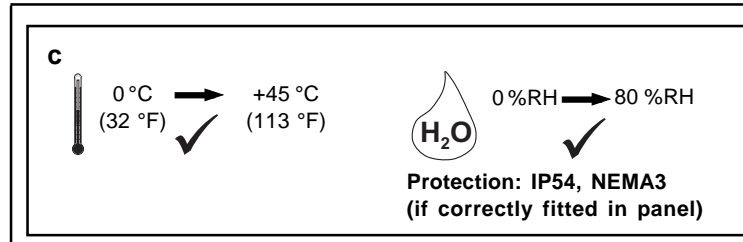
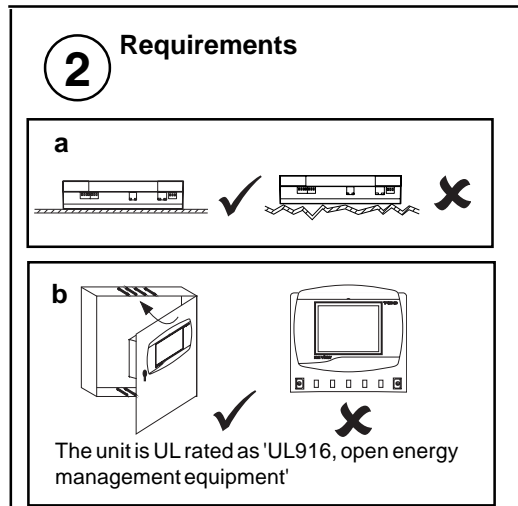
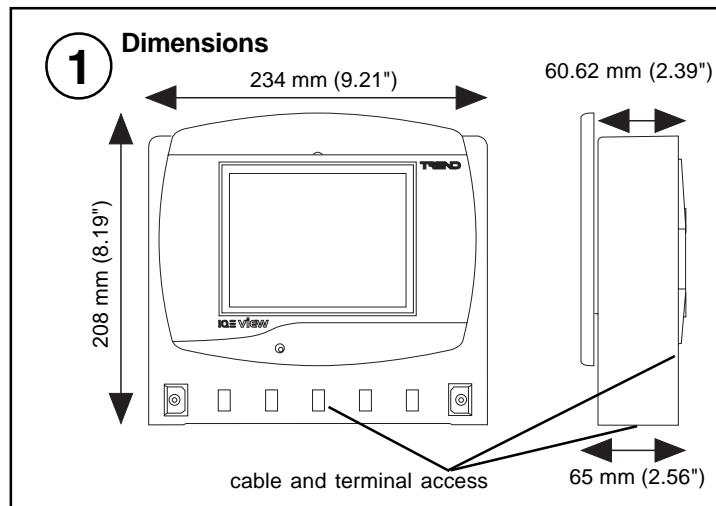


It is recommended that the installation should comply with the HSE Memorandum of Guidance on Electricity at Work Regulations 1989. For USA install equipment in accordance with National Electric Code

WARNING
Do not attempt to open the unit. Failure to comply may cause damage to the unit

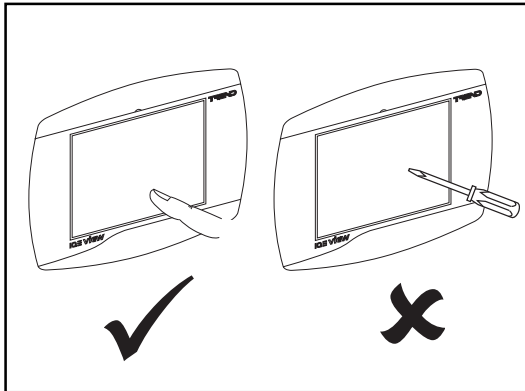
3 Installation Instructions

3.1 Installation - Mounting



3.1 Installation - Mounting (continued)

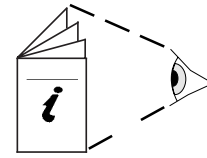
3 Care of Touch Screen



Clean Screen
 Remove dust and grease regularly by wiping gently with a soft cloth such as that used for spectacles

4 Use IQVIEW/NDP ADAPTOR PLATE

if fixing in place of NDP in panel



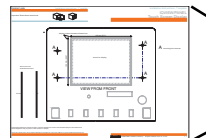
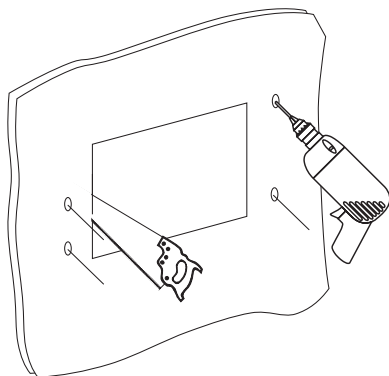
IQVIEW/NDP ADAPTOR PLATE
 Installation Instructions TG200822

Jump to step **6**

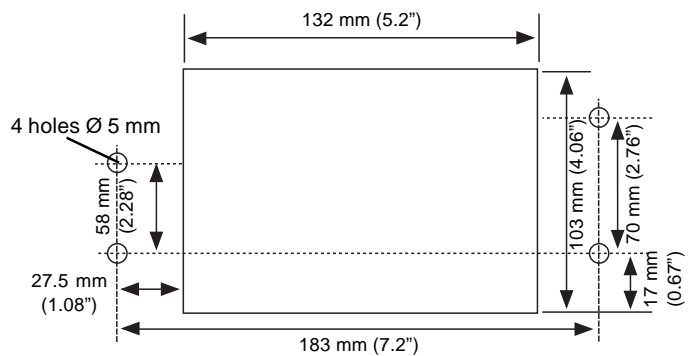
5 Mount Unit

view from front

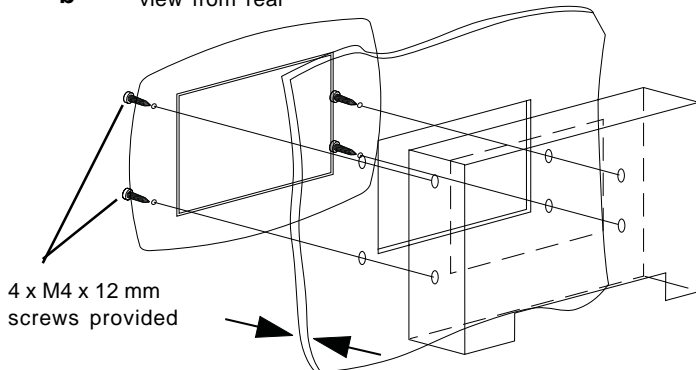
a



IQView../RPM template
 TG200723



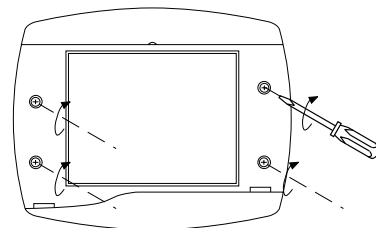
b view from rear



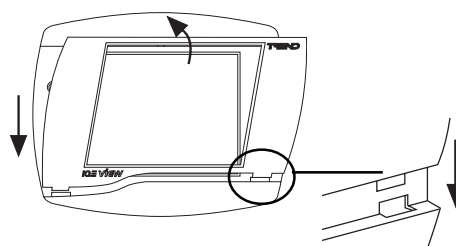
4 x M4 x 12 mm screws provided

6 mm (0.24") maximum

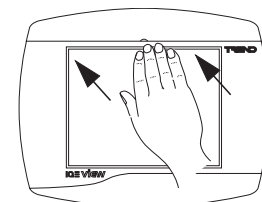
c view from front



d view from front

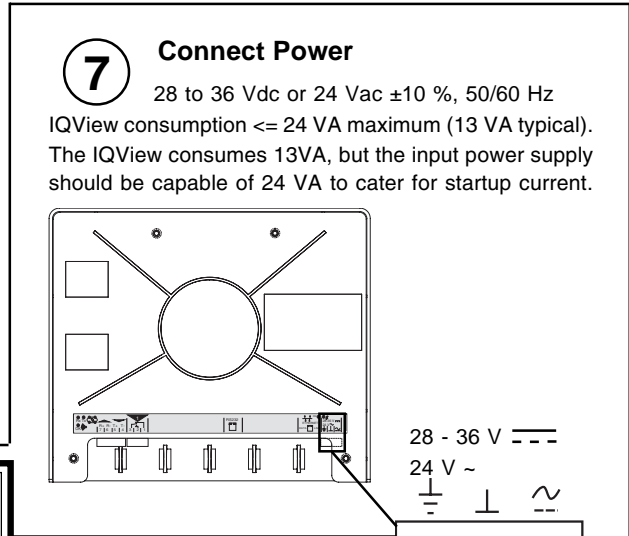
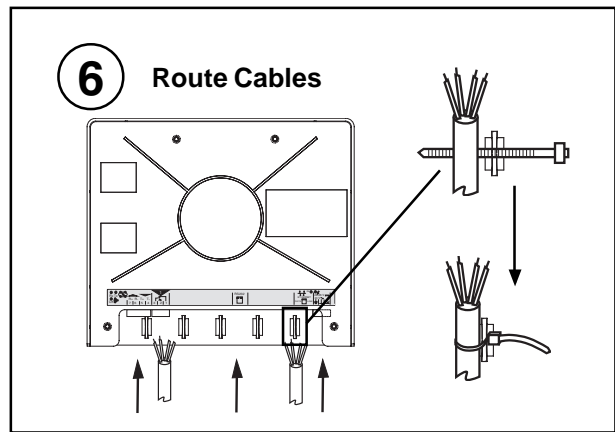


e



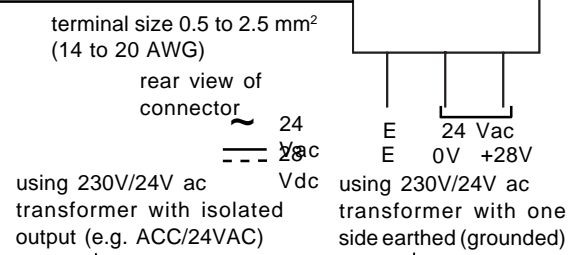
WARNING
 Ensure correct sized screws are used. Failure to comply could cause damage to the unit.

3.1 Installation - Mounting (continued)

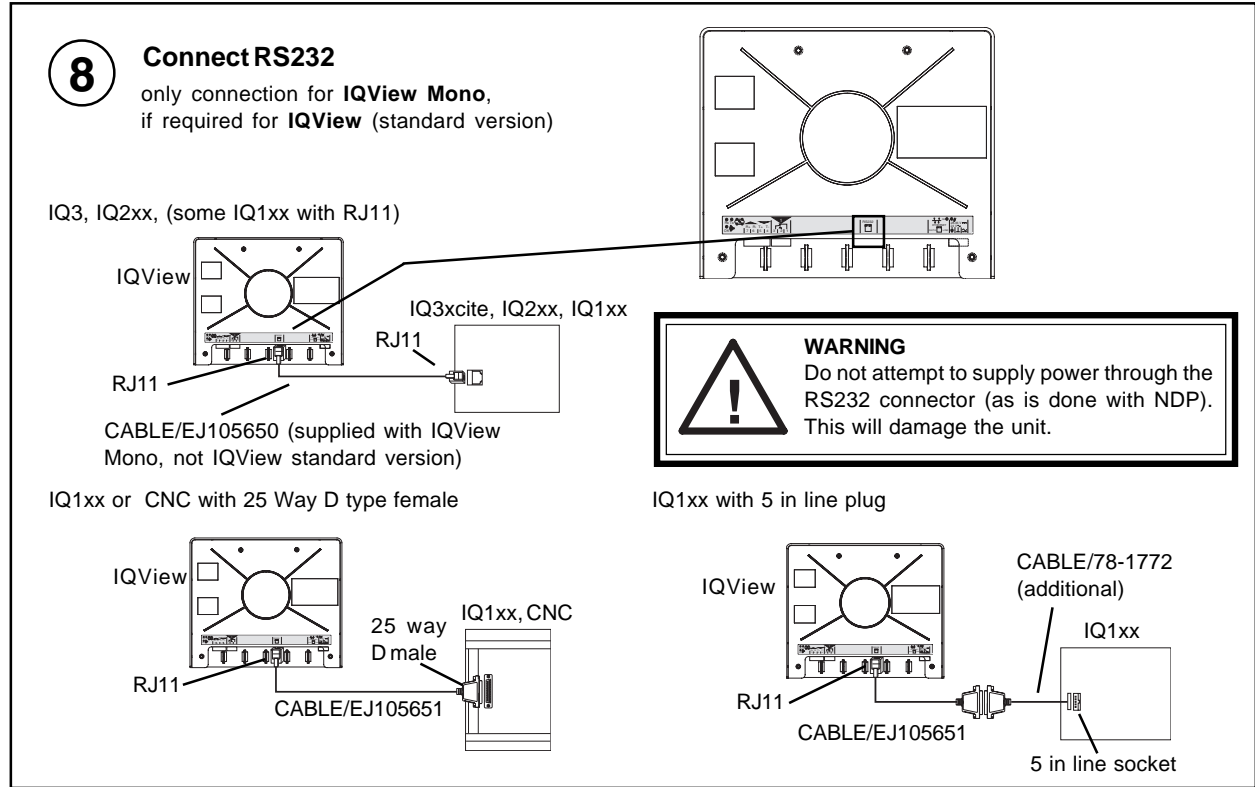
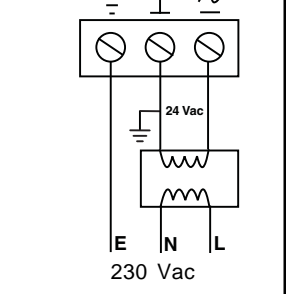
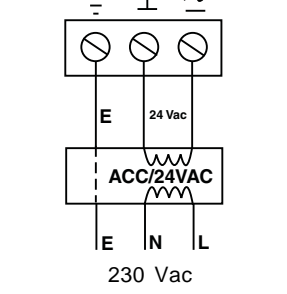
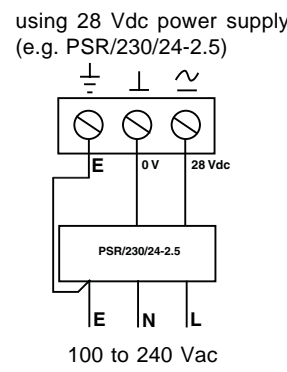


WARNING: This apparatus must be earthed (grounded) (via supply earth (ground) terminal)


WARNING
 Do not attempt to supply power through the RS232 connector (as is done with NDP). This will damage the unit.



DO NOT SWITCH ON

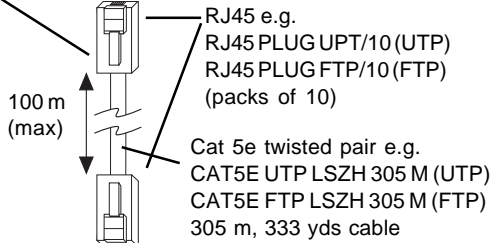


3.1 Installation - Mounting (continued)

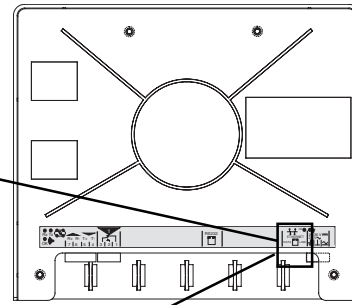
9 Connect Ethernet  **IQView (standard version) only**
if required, and if not connected to RS232 as in step 8

either connect to an Ethernet hub

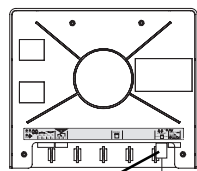
use standard Ethernet cable



Ethernet hub or switch e.g. EDS-205

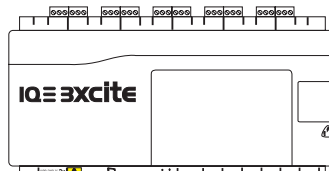


or direct connect to an IQ3 or EINC



RJ45

standard Ethernet cable



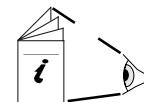
RJ45

XCITE/XA crossover adaptor order separately (XCITE/XA/5 pack of 5)

10 Connect Current Loop  **IQView (standard version) only**
if required and if not connected to RS232 as in step 8 nor to Ethernet as in step 9

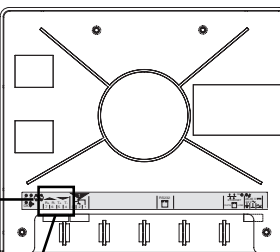
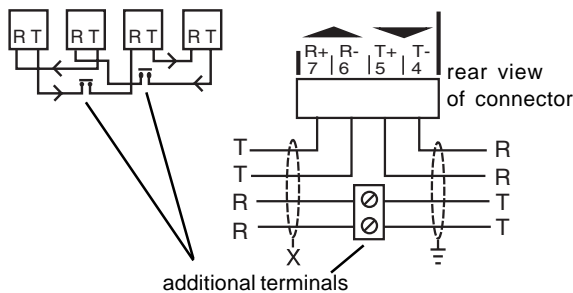
Cable	1k2 baud	4k8 baud	9k6 baud	19k2 baud	No. of Wires
Belden 9182	1000 m (1090 yds)	1000 m (1090 yds)	1000 m (1090 yds)	700 m (765 yds)	2
Belden 9207	1000 m (1090 yds)	1000 m (1090 yds)	1000 m (1090 yds)	500 m (545 yds)	2
Trend TP/1/1/22/HF/200 (Belden 8761)	1000 m (1090 yds)	1000 m (1090 yds)	700 m (765 yds)	350 m (380 yds)	2
Trend TP/2/2/22/HF/200 (Belden 8723)	1000 m (1090 yds)	1000 m (1090 yds)	500 m (545 yds)	250 m (270 yds)	4

polarity independent
terminal size 0.5 to 2.5 mm² (14 to 20 AWG)

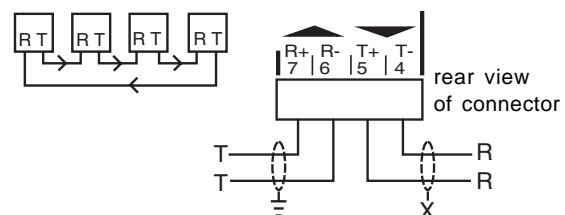


Network Engineering Manual, 92-1735

4 wire



2 wire



3.1 Installation - Mounting (continued)

11

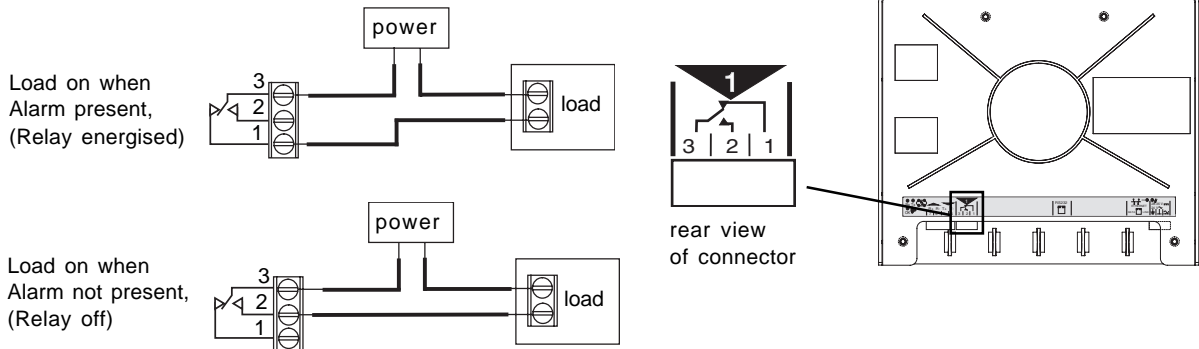
Connect Relay Output if required (for alarm notification)

Note that the relay output alarm action must be enabled (it is disabled by default), see 2.2 step 15.

AC rating: 62.5 VA e.g. 40 Vac max @ 1.5 A, 24 Vac @ 2.5 A

DC rating: 60 W e.g. 40 Vdc max @ 1.5 A, 24 Vdc @ 2.5 A

Note that UL rating applies up to 30 V maximum

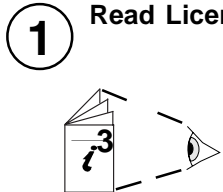


WARNING: The wires may be connected to hazardous voltages. Disconnect power before attempting any wiring.

Arc suppression recommended
Relay Output Arc Suppression
Installation Instructions TG200208

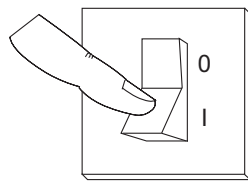
3.2 Installation - Configuration

1 Read Licence

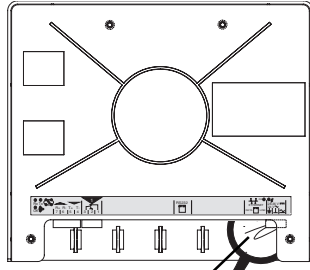
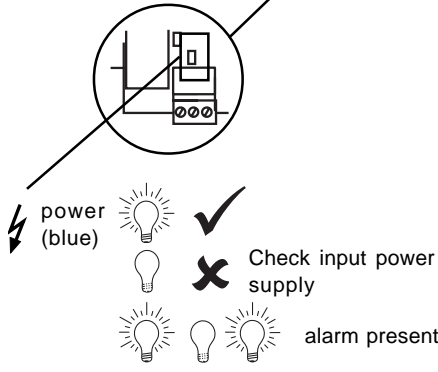


Read and agree to End User Licence Agreement (see Section 5)

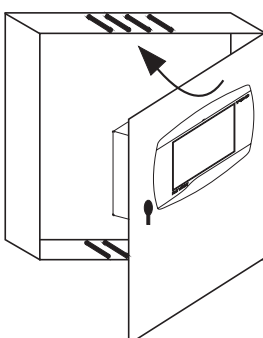
2 Switch On



3 Check Power LED

4 Close Panel



5 Specify Site Connection

(a) Enter 'Site Name'

Note that for IQView MONO, the RS232 connection will be selected, all other selections will not be available, and the user should jump to stage (d) below to 'Connect to CNC'/RS232' and enter the baud rate.

(b) Select first connection stage:
 either 'Connect to CNC' - If connecting to either Ethernet vCNC (vCNC in EINC or IQ3) or RS232 (CNC module or IQ controller's local supervisor port)
 or 'Connect as Device' - If IQView is device on current loop Lan (using IQView's internal CNC), or device on Ethernet Lan (using IQView's internal vCNC)

(c) Select second connection stage:
 If 'Connect to CNC' was selected
 either 'Ethernet (vCNC)' - If connecting to vCNC in EINC or IQ3
 or 'RS232' - If connecting to CNC module, or IQ controller's local supervisor port CNC (sCNC)
 If 'Connect as Device' was selected
 either 'Current Loop Lan' - If connecting IQView as device on a current loop Lan (using IQView's internal CNC)
 or 'Ethernet Lan' - If connecting IQView as device on Ethernet Lan (using IQView's internal vCNC)

(d) Setup up communication parameters
 If 'Connect to CNC'/'Ethernet (vCNC)' - Set IP address (or hostname) of IQ3 or EINC and port number of the vCNC
 If 'Connect to CNC'/'RS232' - Set baud rate for communication between IQView and CNC or IQ controller's local supervisor port to match the baud rate set in the remote device (IQ controller local supervisor port baud rate is normally 9600 baud)
 If 'Connect as Device'/'Current Loop Lan' - Set up IQView's Lan number (to be unique on internetwork and to match other devices on Lan), network address (to be unique on Lan), and baud rate (to be same as other nodes on Lan)
 If 'Connect as Device'/'Ethernet Lan' - Set up IQView's Lan number (to be unique on internetwork and to match other devices on Lan) and network address (to be unique on Lan). Set up UDP port to match address used by rest of IQ system

(e) The IQView will now attempt to find its own Lan number (from an INC). If successful it will try to learn the internetwork and display all the associated Lan icons including local Lan, if unsuccessful it will just display its own Lan icon (with Lan number 0).
 If either **Ethernet (vCNC)**, or **Ethernet Lan** have been selected, the default is for the Ethernet IP address details to be automatically set up. If DHCP server is operating it will set up the IP address details, if not the details will be set up by auto-negotiation with the other devices on the Ethernet Lan.
 For Ethernet connections proceed with step 6 and for all other connections go to step 7.

Specify Site Connection

Site Name: Local Lan

Connect to CNC

Ethernet (vCNC)

RS-232

Connect as Device Lan: 1 Node: 1

Current Loop Lan Baud Rate: 19200

Ethernet Lan

Cancel OK


3.2 Installation - Configuration (continued)

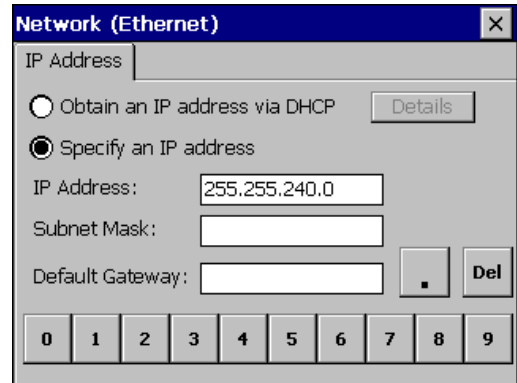
6 Set up IQView's Ethernet Settings

IQView (standard version) only

if either 'Connect to CNC'/'Ethernet vCNC', or 'Connect as Device'/'Ethernet Lan' set up as above.

Note that if auto IP addressing is required (as per default) go to (d)



- (a) Tap on IQView menu icon  in the menu rail on the top of the screen, and tap on 'Settings/Network (Ethernet)'.
- (b) Change IP address source:
 - from 'Obtain IP address via DHCP' (default)
IP settings being set up automatically
 - to 'Specify an IP address'
IP settings being set up manually
- (c) Enter IP Address
Subnet Mask
Default Gateway - router IP address (if communications cross router)
Select servers tab and enter
WINS Server IP Address(es) (if host names being used across router)



Note that the these details can be set up using IPTool (v1.1 or greater) rather than tapping them in on the screen
Go to (e)

- (d) If 'Obtain IP address via DHCP' selected, and there is no DHCP server on the segment, then enter
Default Gateway - router IP address (if communications cross router)
Select servers tab and enter
WINS Server IP Address(es) (if host names being used across router)

Note that the these details can be set up using IPTool (v1.1 or greater) rather than tapping them in on the screen

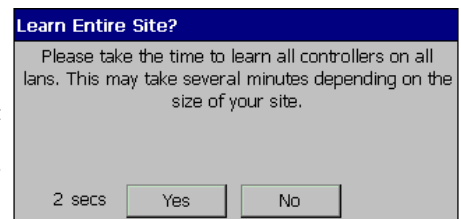
- (e) Tap  to close the box, and the unit will reset.
- (f) If network is to cross router enter remote devices' IP addresses (or host names) and subnet masks using IPTool
- (g) Re - initialise the site connection by selecting  and 'Relnit Connection'.
The IQView will now attempt to find its own Lan number (from an INC). If successful it will try to learn the internetwork, if unsuccessful it will just display its own Lan icon.

Note that the time taken for the system to be available for mapping will depend on the type of Ethernet connection. If connecting to 'Connect to CNC', 'Ethernet vCNC' it can be instantaneous (if the rest of the system is setup). If connecting 'Connect as Device', 'Ethernet Lan' it can take from <30s to <130s depending on its IP address and whether the network crosses a router.



7 Learn Entire Site




- (a) The IQView will display the adjacent dialogue box. Recommend select 'Yes' to learn of all controllers. The box times out after 5 s and will learn the all controllers by default. (Selecting 'No' means that the controllers should be learnt later when user selects the learn site/Lan functions).

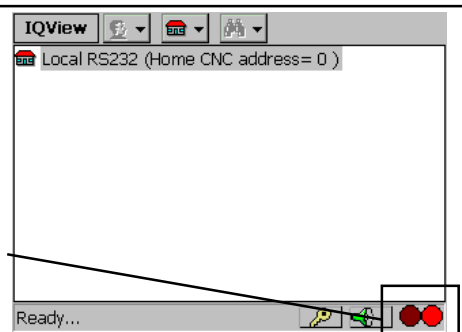


8 Check Connection

A failure to connect in steps 5, 6, or 7 will produce a dialogue box detailing the reason for failure.

The connection can be checked at any time by tapping on the comms icons in the bottom right hand corner of the display.

-  (green flicker) Icons have been tapped and the check is in progress
-  (green steady) Communications OK
-  (red steady) Communications fail



3.2 Installation - Configuration (continued)

9 Open Panel
 if 'Connect to CNC'/'Ethernet (vCNC)',
 'Connect as Device'/'Ethernet Lan', or
 'Connect as Device'/'Current Loop Lan'

10 Check Ethernet OK LED

Ethernet OK (green) ✓
 ✗ Check Ethernet Connection and/or vCNC

11 Check Current Loop Lan LEDs

if 'Connect as Device'/'Current Loop Lan'

a RX (yellow) ✓
 ✗ ?

b TX (yellow) ✓
 ✗ ?

c OK (green) ✓
 ✗

✗ Network Address Invalid 0,2,3 or >119

OK

Check network cabling for short circuits with a multimeter (NOT Megger)



Check baud rate. Power up other nodes until faulty node is found (OK). Correct fault.

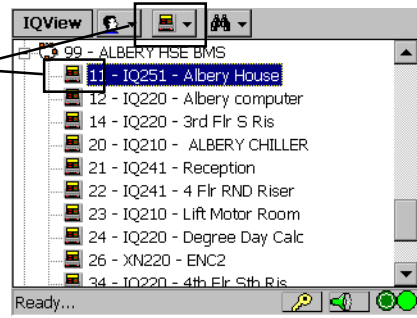
rear view of connector
 rear view of connector

12 Close Panel
 if appropriate

3.2 Installation - Configuration (continued)

13 Test System

- (a) Tap on controller icon in navigator e.g.  (IQ2 controller)
- (b) Tap on controller menu icon e.g. 
- (c) Tap on 'Modules'/'Sensors' on drop down menus







- (d) Check sensors display

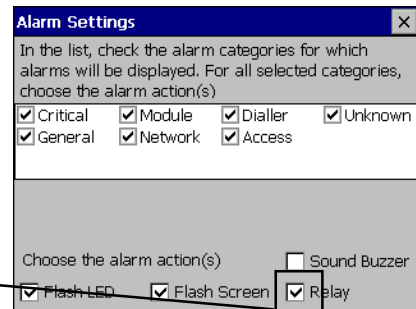
Sensors - L11 O21 - pch test #21

Label	Value	Units	Item
OUTSIDE AIR TE...	0.00	DegC	S1
MEZZ OFFICE SP...	40.00	DegC	S2
FRONT OFFICE SP...	40.00	DegC	S3
REAR OFFICE SP...	40.00	DegC	S4
STORES SPACE ...	40.00	DegC	S5
SALES SPACE TE...	-34.85	DegC	S6
FRONT OFFICE ...	1.00		S7
FRONT OFFICE ...	1.00		S8

OUTSIDE AIR TEMP

14 Test Relay Output if required

- (a) Tap **IQView** in the menu rail on top of the screen and tap on 'Settings'/'Alarms'
- (b) Tap on the relay action (to select relay action)
- (c) Tap  to close the box
- (d) Tap  in bottom rail of screen
- (e) Tap  and choose 'Turn alarm on' from drop down menu
- (f) Listen for relay to click and check relay operates the connected device
- (g) Tap  in bottom rail of screen to stop alarm test.



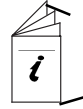
Network Alarms = 6 (Current=5, Acked=6)

Time Received	Source	Alarm Datafield	
18/08 01:00	L000	Local LAN	Re...
18/08 00:54	L000	Local LAN	Re...
15/08 22:47	L59012	G001HELP2247	
15/08 18:58	L40053	G501HELP1858	
15/08 18:59	L40016	G000HELP1859	
15/08 03:51	L40052	G401HELP 351	

3.2 Installation - Configuration (continued)

15 Configure IQView

if required



IQView Manual TE200719

The following facilities may be configured by tapping **IQView** and selecting the facility from the drop down menu.

Facility	Defaults	Change if	Items
Users	Security disabled	Security required	Enable users and Guest and Admin users (already set up to defaults). More users can be added. Each user has a username, password, PIN, timeout, and a definition of what can be accessed or changed.
Alarm handling	All alarms accepted. Buzzer and LED alarm actions enabled; flash screen and relay disabled	Only some alarms are required, or alarm actions are to be changed	The types of alarms added to the received alarm display can be selected from critical, general, module, network, dialler, access, or unknown. The alarm actions (buzzer, flash LED, flash screen, and relay) can be individually enabled/disabled.
Time	Start from undefined date on power up and count up	If time and date required. Used for time/date stamping alarm acknowledgments, and for synchronising controllers (if required)	IQView's time and date
Display	Back light timeout set to 600s. Tap screen sound disabled	If back light timeout to be changed or tap screen sound to be enabled. Contrast can be adjusted to suit environment/viewing angle. Recalibrate screen if screen taps select wrong functions	Backlight Timeout, Tap screen sound on/off, Contrast adjust, Screen calibration
Language	English (UK) screens and formats	If different language required	Currently translates screen displays and changes date, time, and decimal separator formats (languages include English (UK), English (US), German, French, Danish, Norwegian, Spanish, and Swedish).

4 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.

5 End User Licence Agreement

EULA Terms

- You have acquired an IQView (“Device”) that includes software licensed by Trend Control Systems Ltd from one or more software licensors (“Trend Control Systems Ltd Software Suppliers”). Such software products, as well as associated media printed materials and “online” or electronic documentation (“SOFTWARE”) are protected by international intellectual property laws and treaties. The SOFTWARE is licensed, not sold. All rights reserved.”
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