

### Important: Retain these instructions

These instructions shall be used by trained service personnel only. If the equipment is used in a manner not specified by these instructions, the protection provided by the equipment may be impaired.

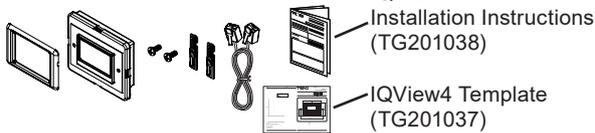
<https://partners.trendcontrols.com>



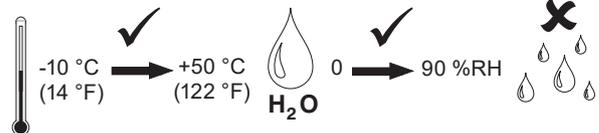
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### 1 BOX CONTENTS



### 2 STORING (Altitude: <2000 m (6562'))



### 3 INSTALLATION

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

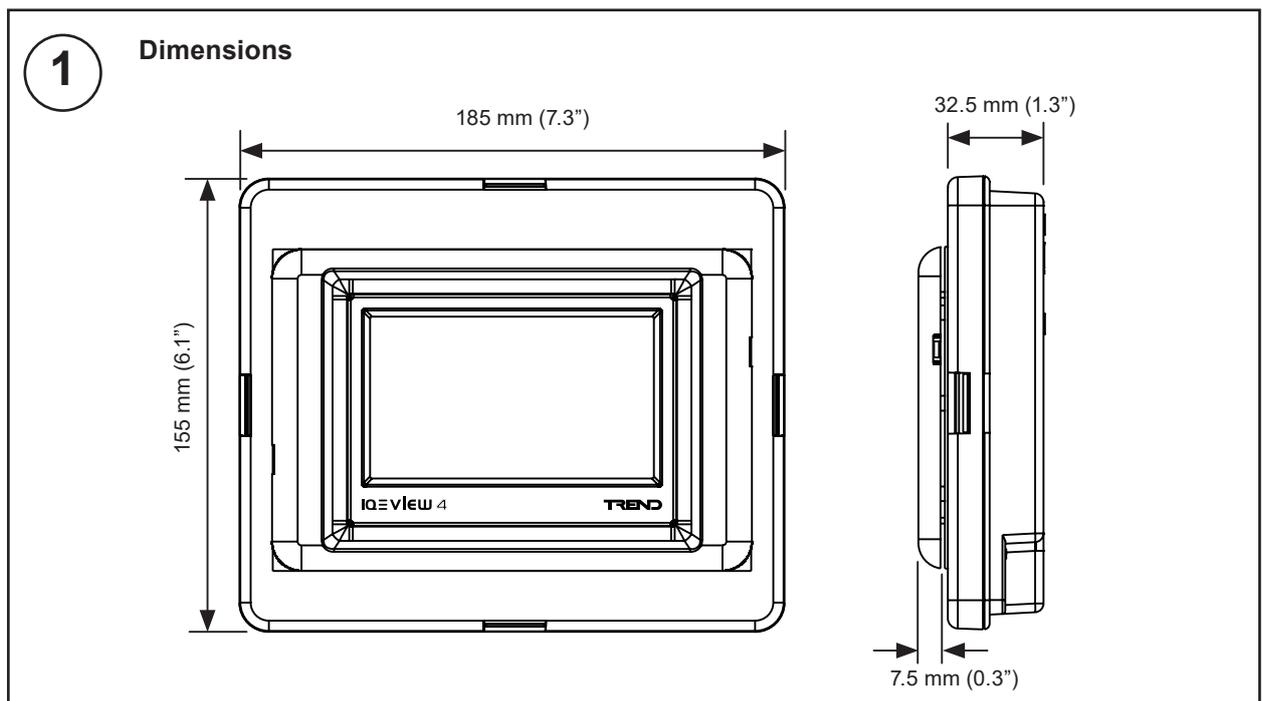
It is recommended that the installation should comply with the local electrical safety installation practices (e.g. HSE Memorandum of Guidance on Electricity at Work Regulations 1989, USA National Electric Code).

#### Labels used on IQView4

	Connector for 24 Vac/dc input power. ⊥ AC power line return
	RS232

	Service button
	USB A connector

#### 3.1 Installation - Mounting



3.1 Installation- Mounting (continued)

2

Mounting Requirements



0 °C (32 °F) → +45 °C (113 °F) ✓

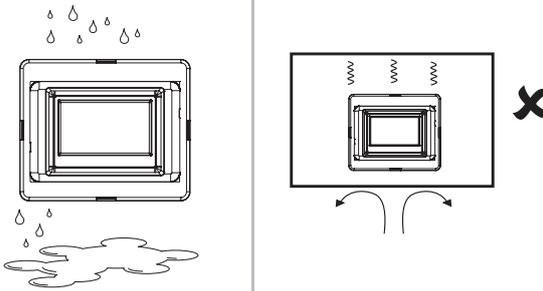
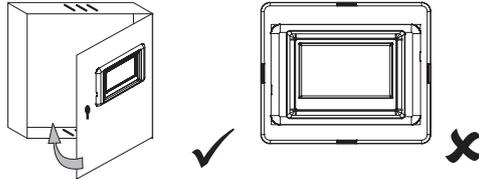
H<sub>2</sub>O 0 %RH → 80 %RH ✓

EMC (EN61326-1: 2006) Emissions: Class A

**Warning:** This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

**Protection:** IP50 (if correctly fitted in panel)

**Operating Altitude:** <2000 m (6562')

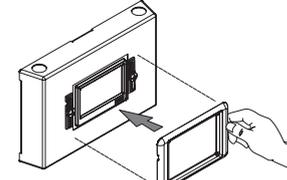
The unit is UL rated as 'UL916 listed open energy management equipment'

3

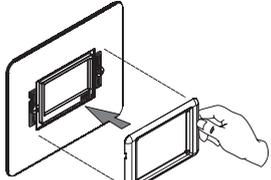
Select mounting method

If panel mounting goto step (4)

If mounting on a wall or panel (avoiding cutting square holes), use IQVIEW4 SM in place of FPK, GDP, or NDP, use IQVIEW4/FPK ADAPTOR PLATE



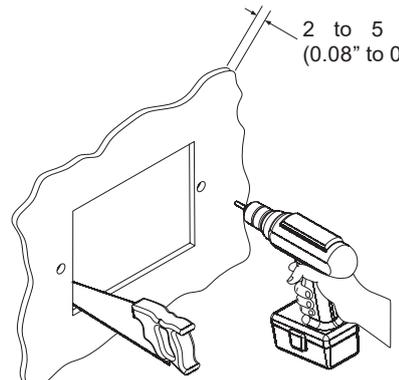
**IQVIEW4 SM BOX**  
Installation Instructions (TG201078)  
Then go to section 3.2



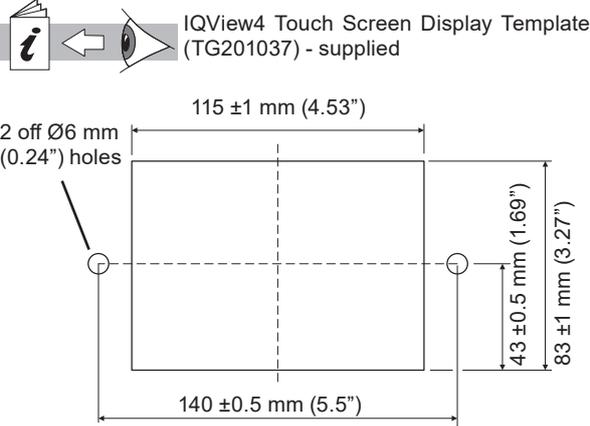
**IQVIEW4 / FPK ADAPTOR PLATE**  
Installation Instructions (TG201039)  
Then go to step (7)

4

Prepare Panel (view from front)



2 to 5 mm (0.08" to 0.2")



**IQView4 Touch Screen Display Template (TG201037) - supplied**

115 ± 1 mm (4.53")

2 off Ø6 mm (0.24") holes

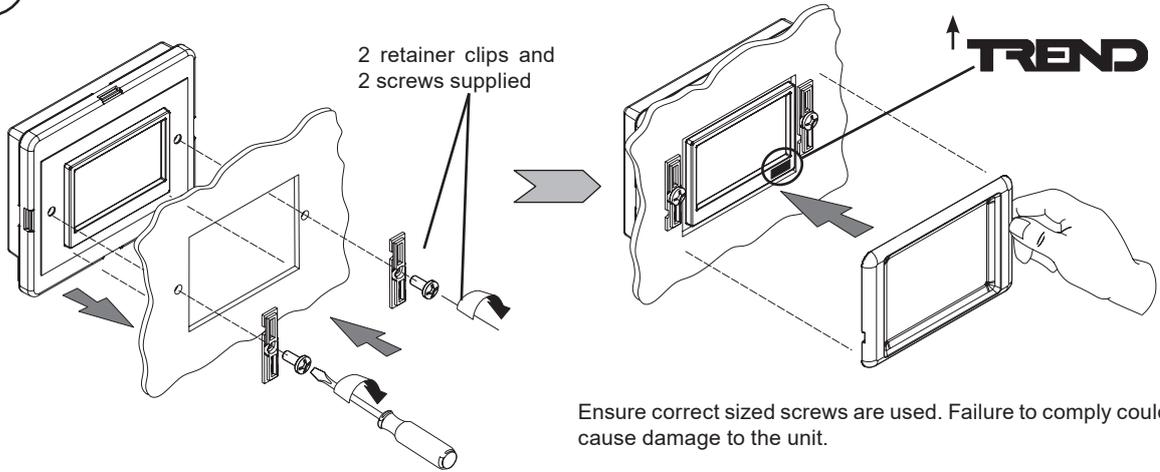
43 ± 0.5 mm (1.69")

83 ± 1 mm (3.27")

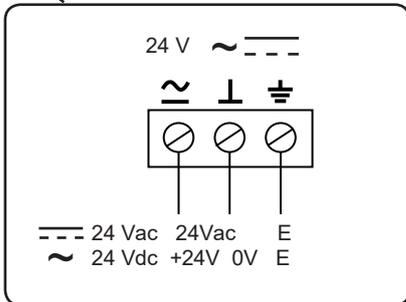
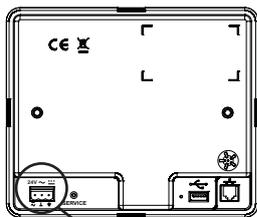
140 ± 0.5 mm (5.5")

3.1 Installation- Mounting (continued)

**5** Mount Unit (view from front)



**6** Connect Power



**DO NOT CONNECT 230V INPUT POWER TO THIS CONNECTOR.**

**DO NOT SWITCH ON POWER.**

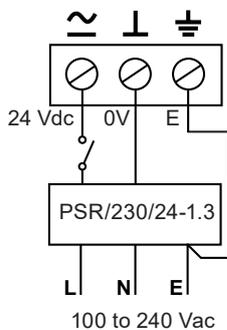
Terminal size 0.14 to 2.5 mm<sup>2</sup> (22 to 12 AWG). Terminal screw torque 0.45 to 0.62 Nm (4 to 5.5 lb.in).

For UL rating the input power connections must be made using 18 AWG or larger wire rated at least 90°C (194 °F).

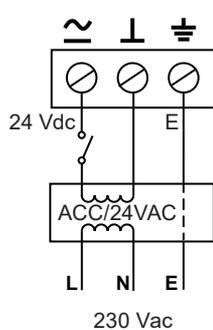
This equipment must be earthed (grounded), via supply earth (ground) terminal)

24 Vdc ±15 % at 3 W, or 24 Vac ±10 %, 50/60 Hz at 8 VA  
The 24 V supply must include a suitably rated switch in close proximity and be clearly marked as the disconnecting device for the unit. Do not position the equipment so that the disconnecting device is difficult to operate.

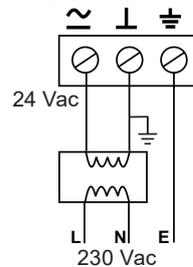
Using 24 Vdc power supply (e.g. PSR/230/24-1.3)



Using 230Vac/24Vac transformer with isolated output (e.g. ACC/ 24 VAC)



If one side of the supply transformer's secondary is earthed (grounded), it **MUST** be connected to the central terminal of the power connector.as shown



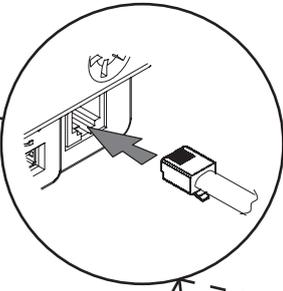
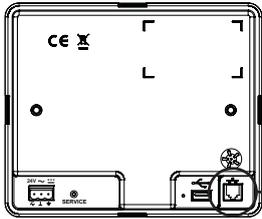
If the polarity of the connection is incorrect the unit will not power up. If this happens swap the connections to the left (≈) and central (⊥) terminals.

**A CENTRE TAPPED TO EARTH TRANSFORMER MUST NOT BE USED**

Note that the required power cannot be guaranteed to be provided from an IQ controller's auxiliary supply output; a separate supply is generally required.

3.1 Installation- Mounting (continued)

**7** Connect RS232

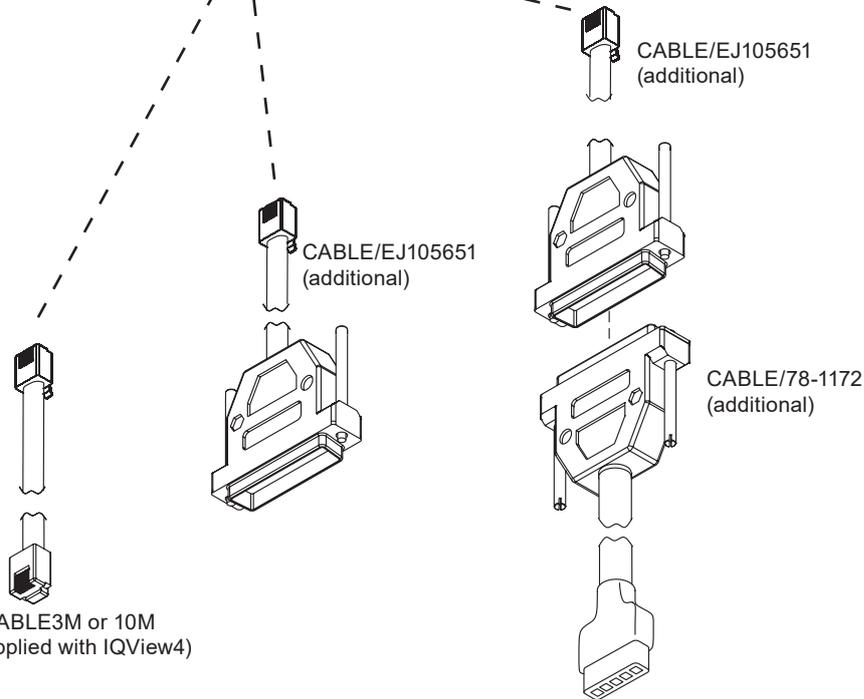


Note: QView4 cannot be connected to a controller with local supervisor port already used (e.g. wireless sensor receiver XW/RIQ, NDP, IQView (RS232), or local PC) or to /ADL, ATM or XNC220 controllers.

Note: The Supervisor Port Address should be set to zero (default).

Note: For IQ1xx controllers with a separate CNC board, the Address module Local address parameter, R(L), must be set up correctly so that the IQView4 can identify the controller.

Note: RD/SDU-IQ2COMMS CABLE/10M, EJ105047, 10 m cable, may be used instead of the RD/SDU-IQ2COMMS CABLE/3M, EJ105046, 3 m cable, but it is not UL listed, and is not supplied with the IQView4.

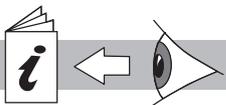


RD/SDU-IQ2COMMSCABLE3M or 10M (CABLE/EJ105046) (supplied with IQView4)

Connecting to	Cable Required
IQ4, IQ3, IQ2xx, (some IQ1xx with RJ11)	RJ11 to RJ11 cable with a twist (RD/SDU-IQ2COMMSCABLE3M) Supplied.
IQ1xx with 25 Way D type female	RJ11 to 25 way D type cable (CABLE/EJ105651).
IQ1xx with 5 way in line plug	RJ11 to 25 Way D type cable (CABLE/EJ105651) and 25 way D type socket to 5 in-line adapter cable (CABLE/78-1172).

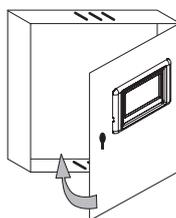
3.2 Installation- Configuration

**1** Read Licence

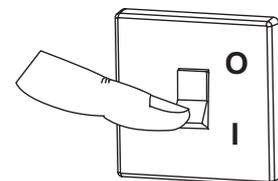


Read and agree to End User Licence Agreement (see Section 4)

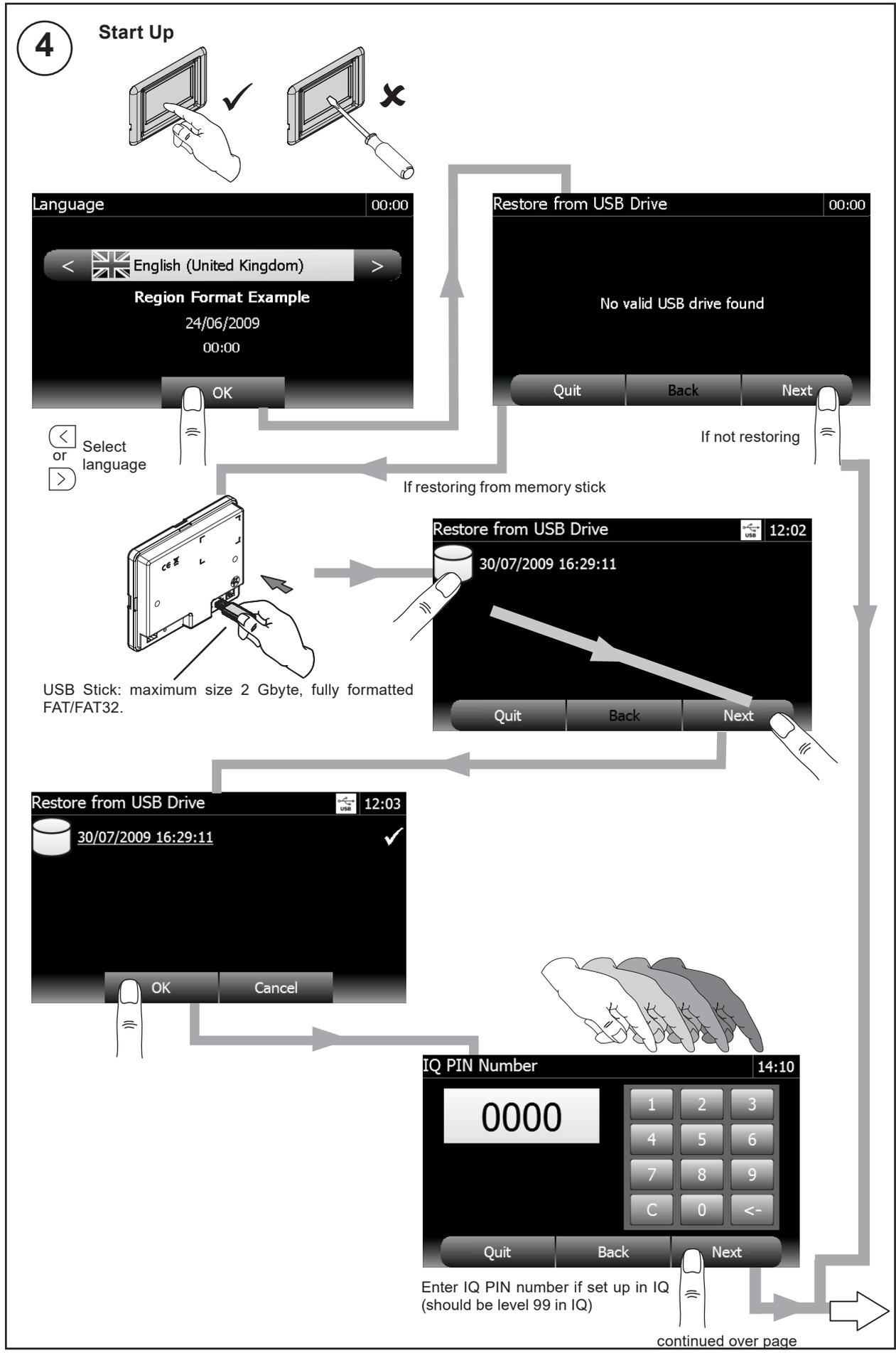
**2** Close Panel



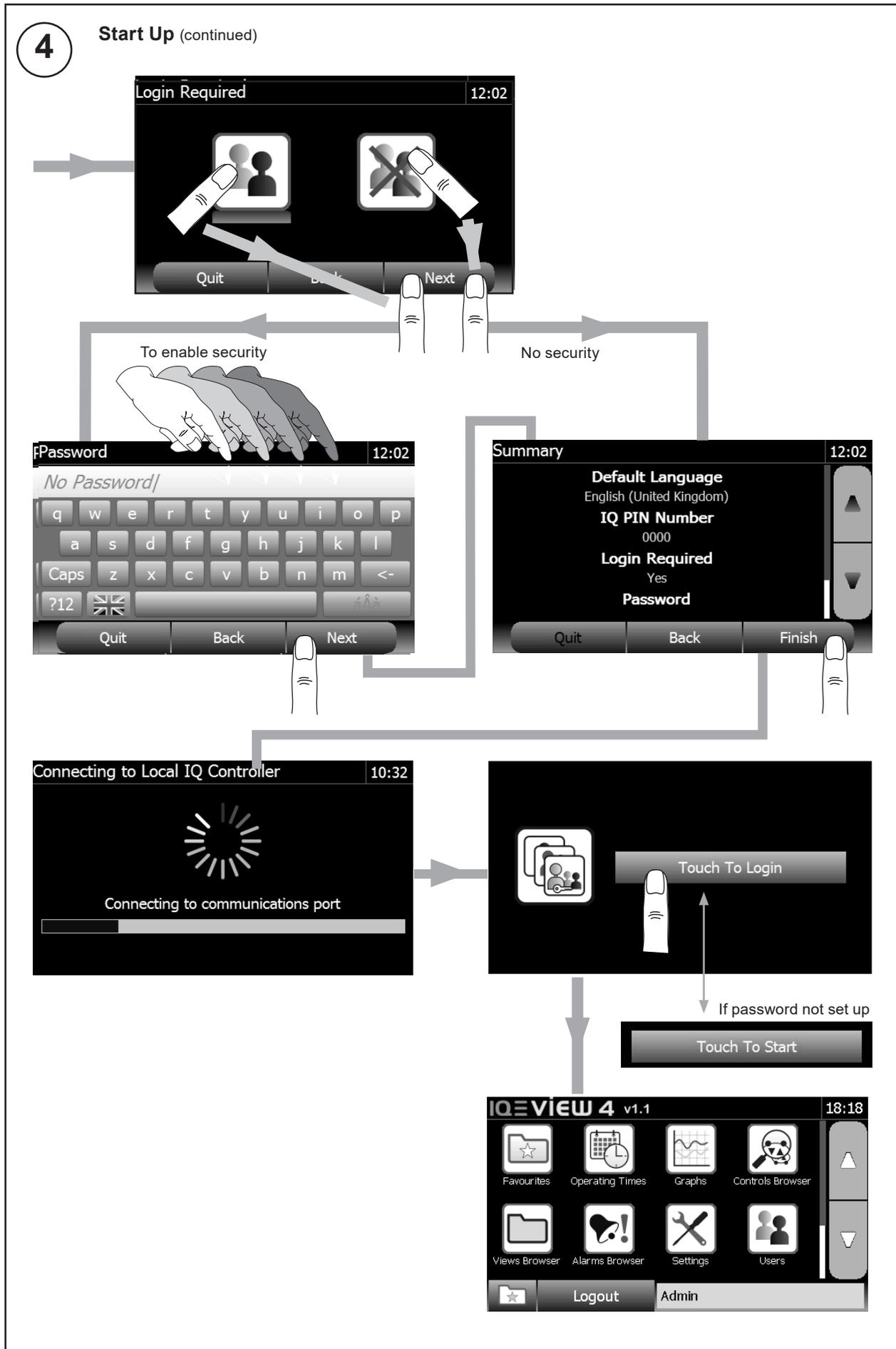
**3** Switch On



3.2 Installation - Configuration (continued)

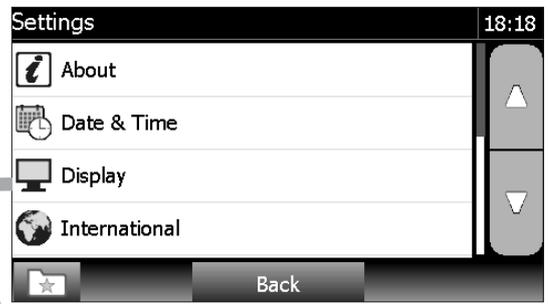
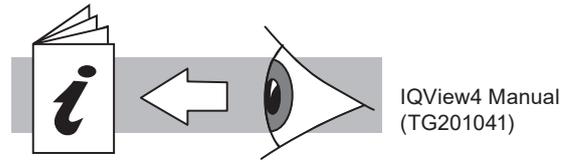


3.2 Installation- Configuration (continued)



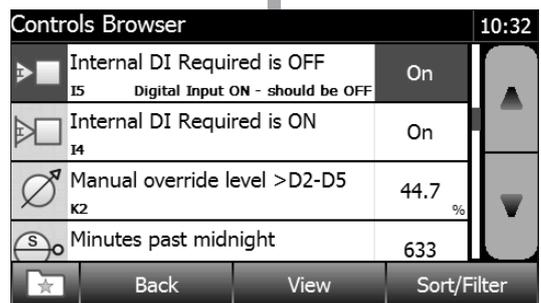
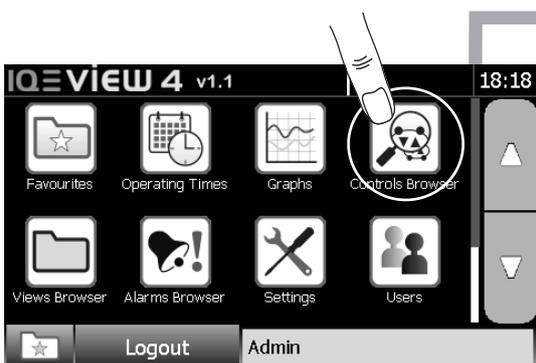
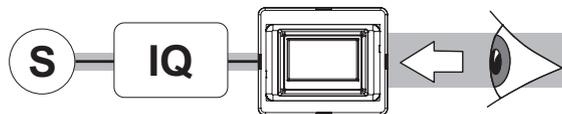
3.2 Installation - Configuration (continued)

5 Configure IQView4 (if required)



Group	Settings	Comments
	Date	Obtained from controller
	Time	
	Daylight Saving	Set Daylight Saving start and stop dates
	Timemaster	Set up IQView4 to be Timemaster
	Backlight Delay	Time to half dim display (Default: 30s)
	Start Screen Saver after	Idle time before screen saver operates
	Screen Saver	Select screen saver file from USB port
	Language	Screen Language
	Password	Enable/disable password required
	Idle timeout	Idle time before password times out and screen saver appears
	IQ PIN Number	PIN No of IQ connected
	Key click	Select key click ON/OFF (Default: OFF)
	Restart	Perform a soft restart
	Restore to Defaults	Restore to factory defaults. This will also cause a restart as in step 4

6 Test System



3.3 Installation - Configuration (continued)

**7** Mount IQView4 into Chassis

The diagram illustrates the configuration process. On the left, a hand is shown inserting a USB stick into the back of the IQView4 chassis. An arrow points to the right, where a screenshot of the 'Settings' menu is shown. The menu includes options for 'About', 'Date & Time', 'Display', and 'International'. A 'Back' button is visible at the bottom. To the right of the settings menu is an icon of an eye with an arrow pointing to it, labeled 'IQView4 Manual (TG201041)'. Below the settings menu, two icons represent 'System' and 'Backup to USB Drive', with arrows indicating a sequence of operations.

USB Stick: maximum size 2 Gbyte, fully formatted FAT/FAT32.

Settings 18:18

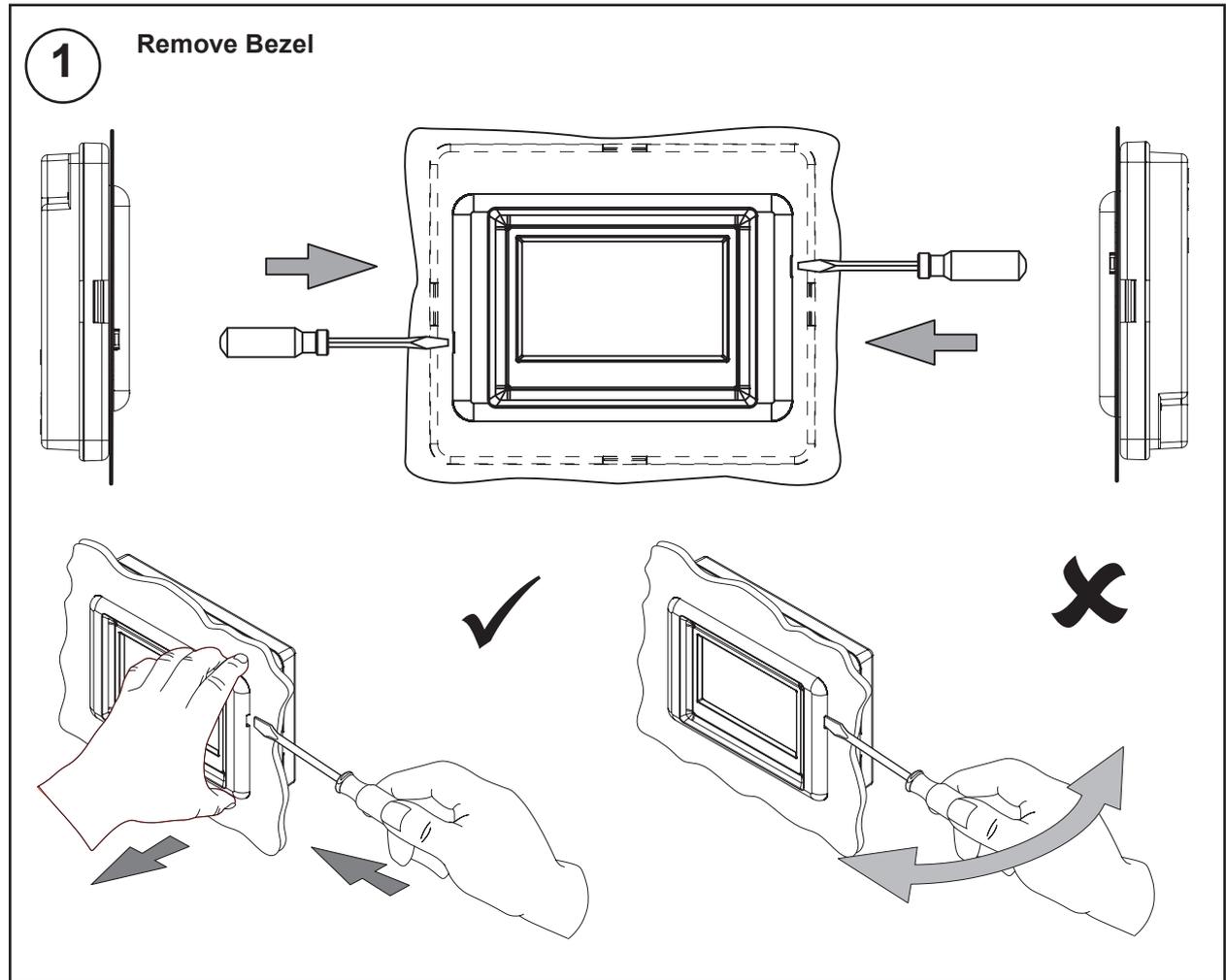
- About
- Date & Time
- Display
- International

Back

System

Backup to USB Drive

### 4 REMOVAL OF BEZEL

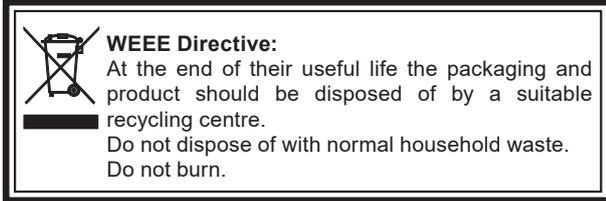


## 5 CLEANING AND MAINTENANCE

The IQView4 requires no routine maintenance..

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## 6 DISPOSAL



## 7 END USER LICENCE AGREEMENT

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**EAC**

TR CU Certification

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