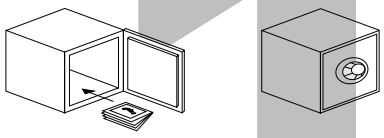
Installation Instructions - Fixing

CNC2

Communication Node Controller

Important: Retain these instructions



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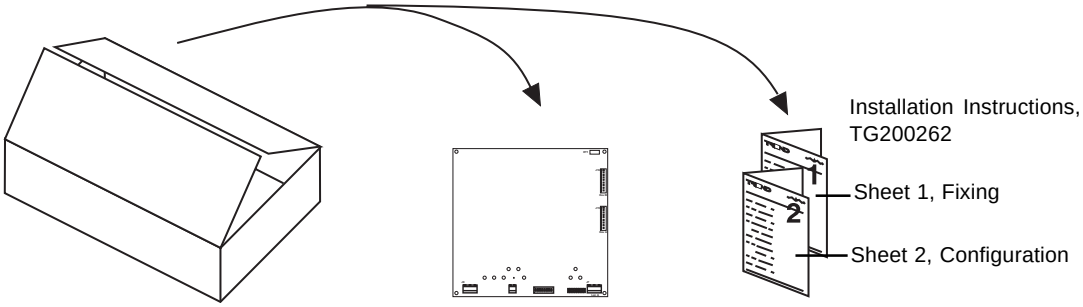
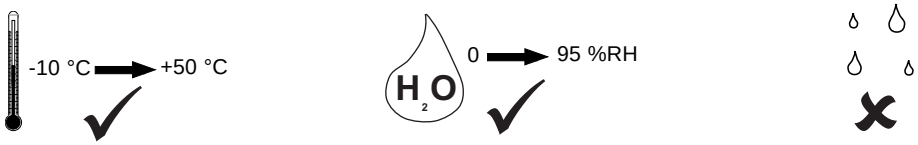
1.2 Storage 1 - 1
1.3 Installation Instructions - Fixing 1 - 1
2. Installation Instructions - Configuration 2 - 1

SHEET 1: Installation Intructions - Fixing

1.1 Unpacking

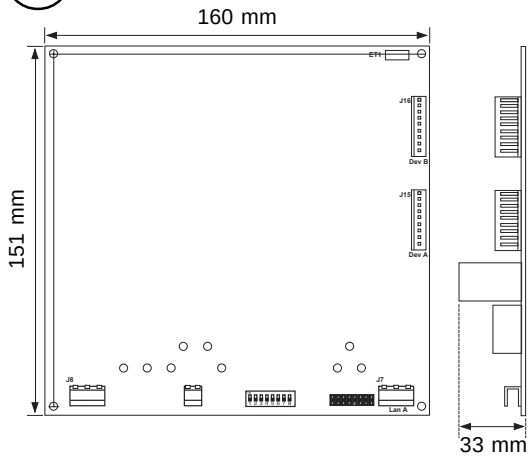


1.2 Storing



1.3 Installation -Fixing

1 Dimensions



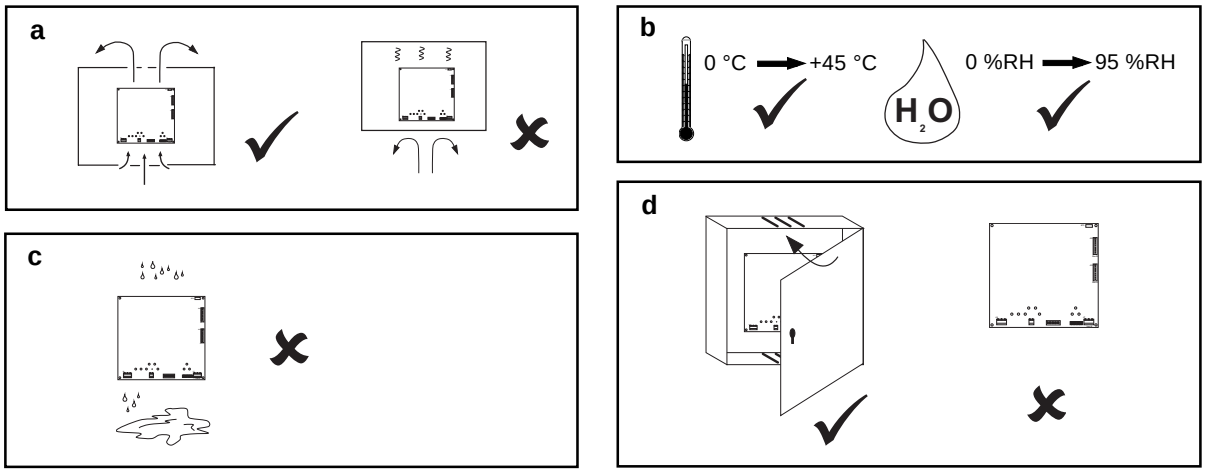
It is recommended that the installation should comply with the HSE Memorandum of Guidance on Electricity at Work Regulations 1989.

WARNING: Opening the panel may expose dangerous voltages.
417-IEC-5036

Caution: The CNC2 contains static sensitive devices. Suitable anti-static precautions should be taken throughout this operation to prevent damage to the unit.
BS EN100015/1 Basic Specification: protection of electostatic sensitive devices.

1.3 Installation - Fixing (continued)

2 Requirements

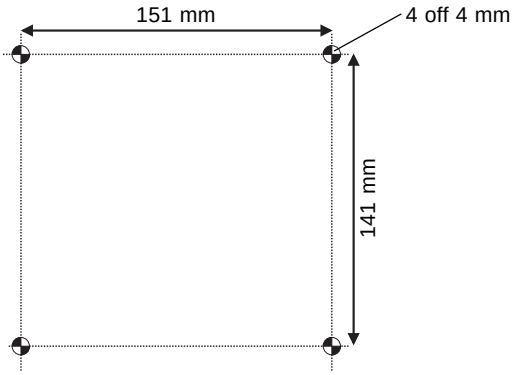


3 Mount the Node

The CNC2 can be fitted into enclosures and controllers as shown in the table below:

NETB/NETBB	✓
IQ101+/102+	✓
IQ111+	✓
IQ131+	✓
IQ251	✓*
IQ250	✓*
IQ241/242	✓
IQ231/233	✓

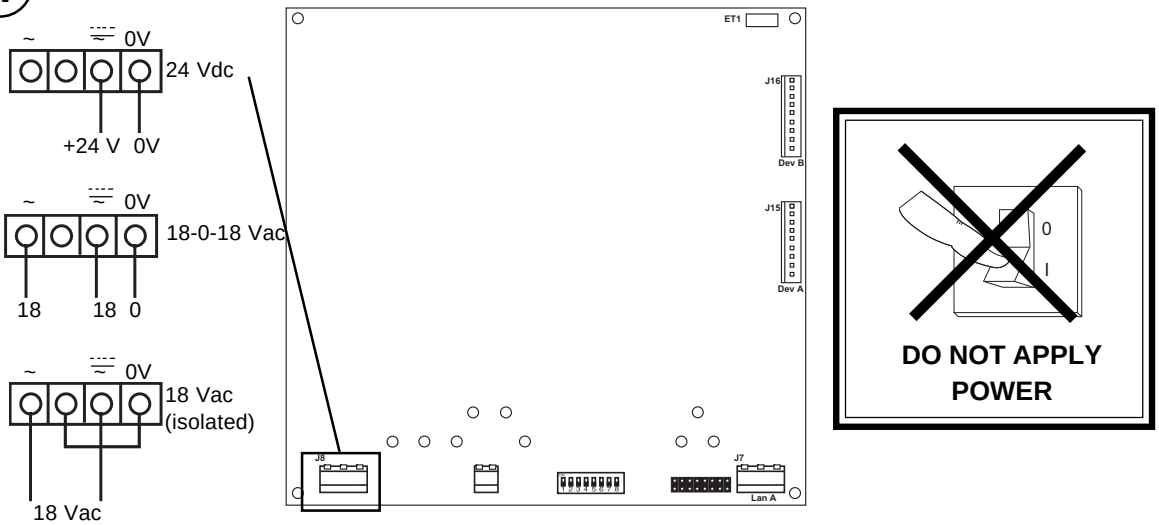
** CNC2 board fits with 3 screws in normal node position or fits in NDP position (if no NDP). Must use NDP position if RDS fitted.*



See appropriate enclosure/controller installation instructions for more details about node installation.

4 Connecting Power

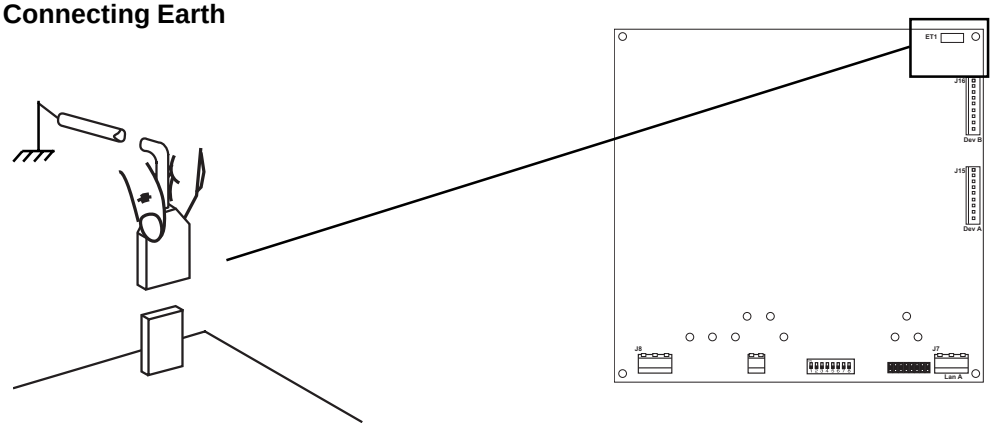
CNC2 consumption <=5 VA



terminal size 0.5 to 2.5 mm²

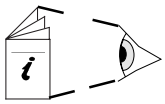
1.3 Installation - Fixing (continued)

5 Connecting Earth

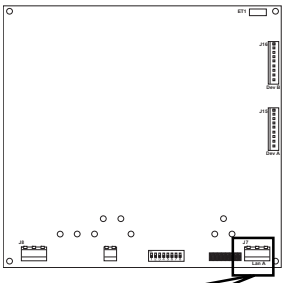


WARNING: This apparatus must be earthed

6 Connect Network (Lan A)



Network Engineering Manual, 92-1735.

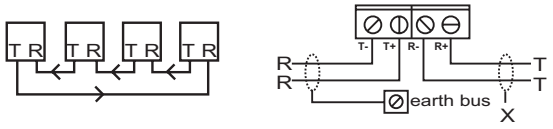


Cable	1k2 baud	4k8 baud	9k6 baud	19k2 baud	No. of Wires
Belden 9182	1000 m	1000 m	1000 m	700 m	2
Belden 9207	1000 m	1000 m	1000 m	500 m	2
IQ system TP/1/1/22/HF/200 (Belden 8761)	1000 m	1000 m	700 m	350 m	2
IQ system TP/2/2/22/HF/200 (Belden 8723)	1000 m	1000 m	500 m	250 m	4

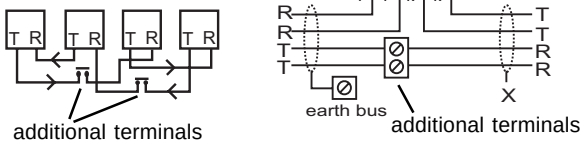
terminal size 0.5 to 2.5 mm²

Polarity independent

2 wire

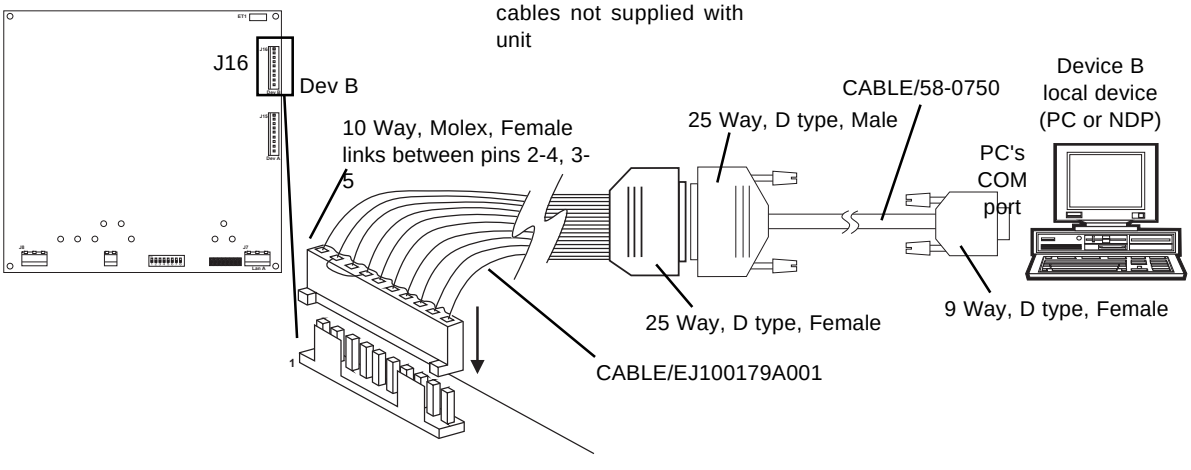


4 wire



7 Connect to Local Device

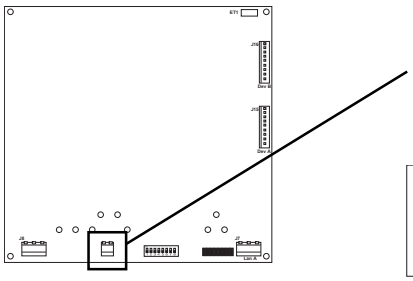
(**Device B - RS232**)

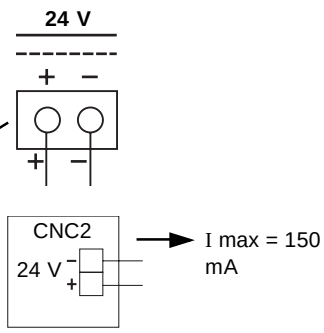


1.3 Installation - Fixing (continued)

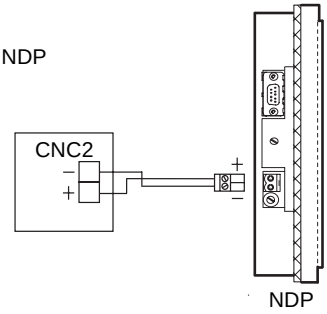
8 Connect Auxiliary Supply Output

terminal size 0.5 to 2.5 mm²

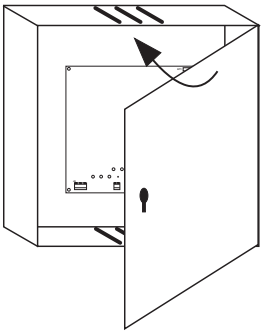




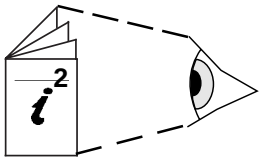
e.g. NDP



9 Close Panel/Box



10 Configure/Commission



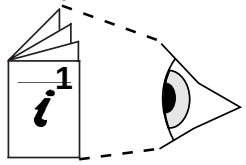
CNC2 Installation Instructions - Sheet 2: Configuration.

CNC2
Communication Node Controller

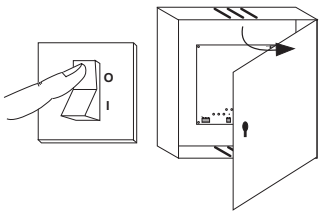
SHEET 2: Installation Instructions - Configuration

1 Fix Unit

CNC2 Installation Instructions - Sheet 1: Fixing



2 Switch off and open panel/ covers

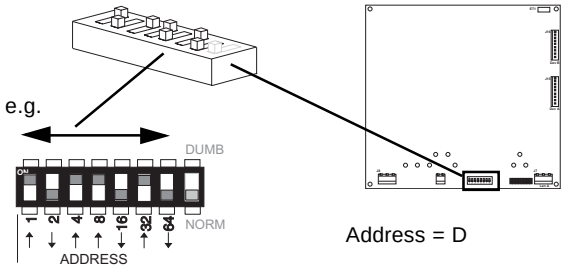


WARNING: Opening the panel may expose dangerous voltages. 417-IEC-5036

Caution: The CNC2 contains static sensitive devices. Suitable anti-static precautions should be taken throughout this operation to prevent damage to the unit.

BS EN100015/1 Basic Specification: protection of electostatic sensitive devices.

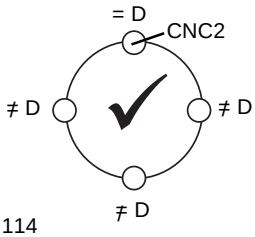
3 Set the Network Address (Lan A)



Address = 2+16+64= 82

SET

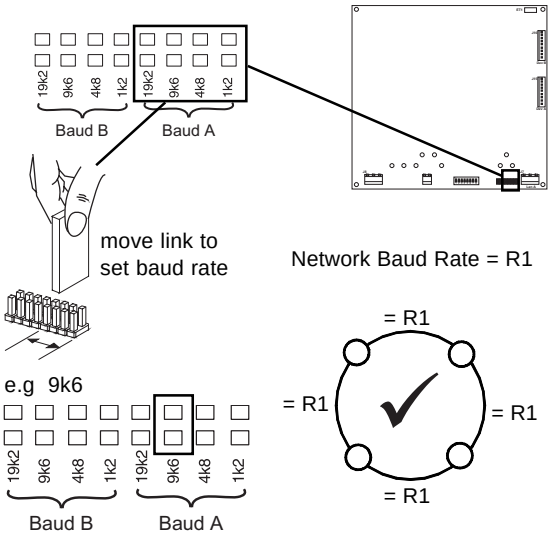
NOT SET



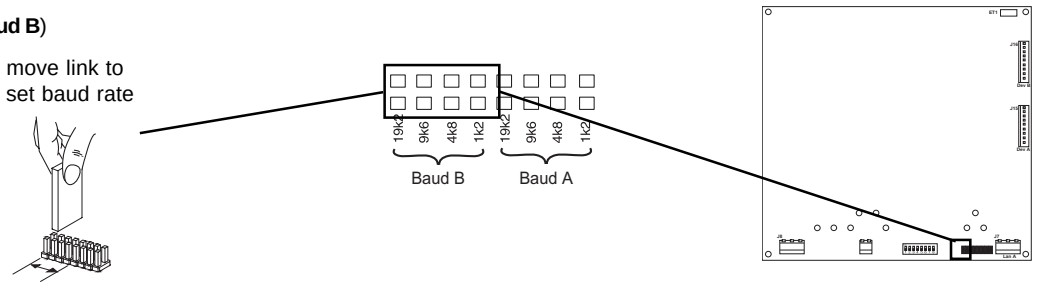
address ✓ 1, 4 to 9, 11 to 114

✗ 0, 2, 3, 10 or >119

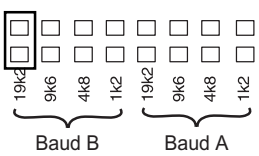
4 Set Network Baud Rate (Baud A)



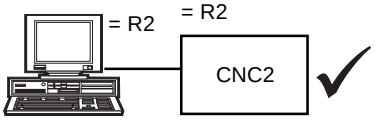
5 Set Device B connector (RS232) to Local Device Baud Rate (Baud B)



e.g 19k2

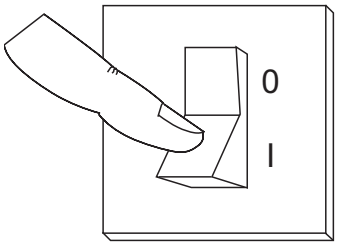


Device B (J16) to local device Baud Rate = R2

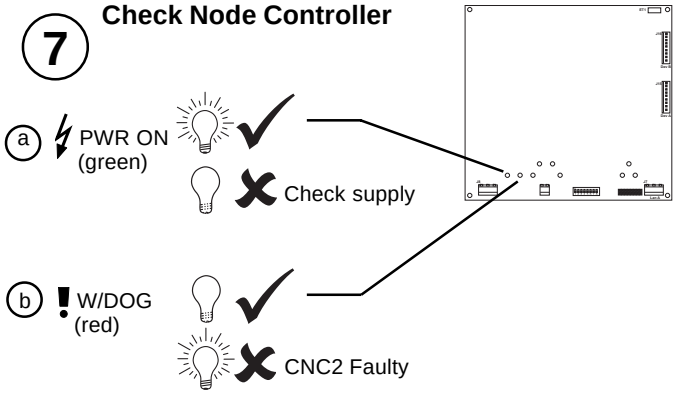


Installation - Configuration (continued)

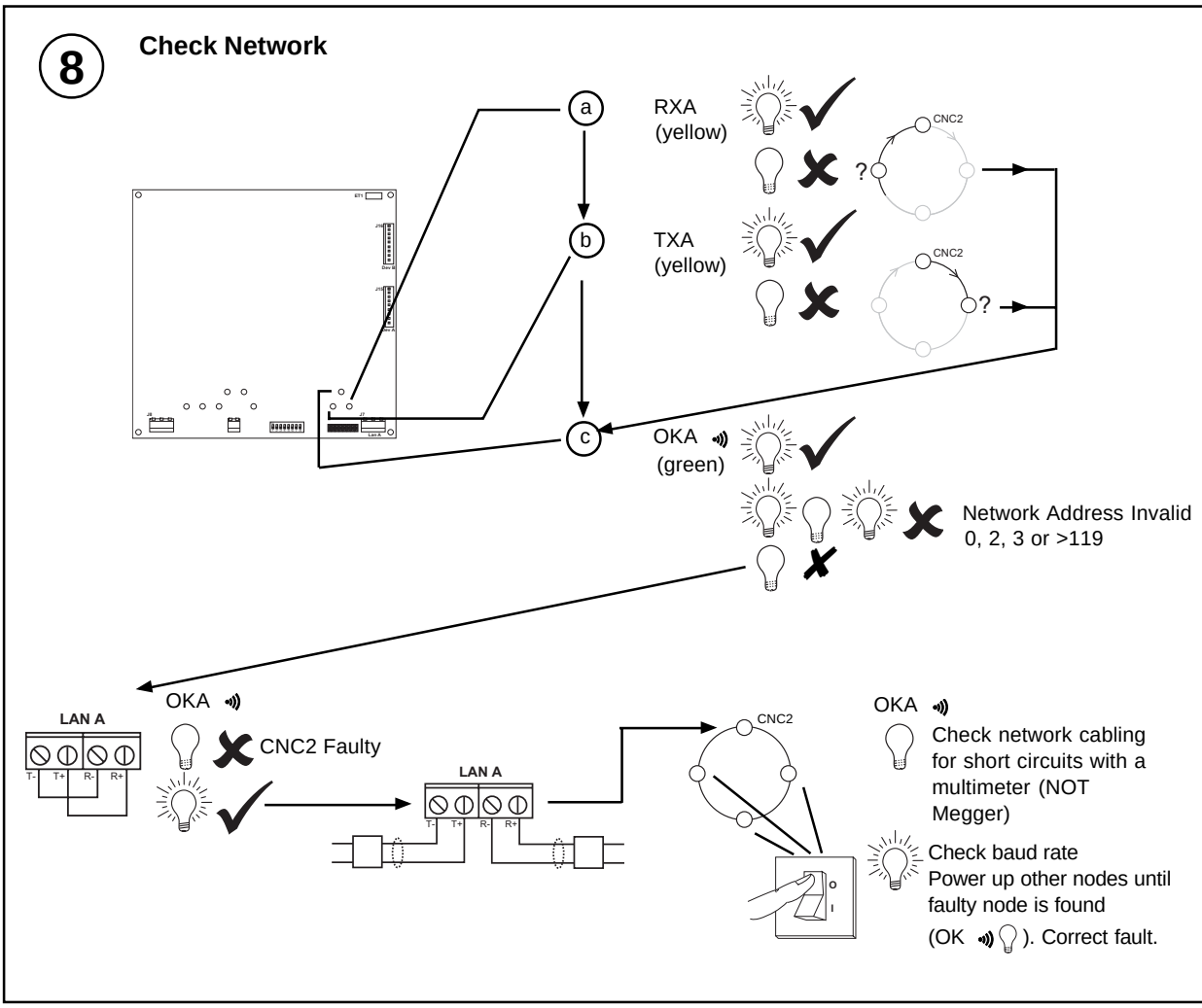
6 Switch On



7 Check Node Controller

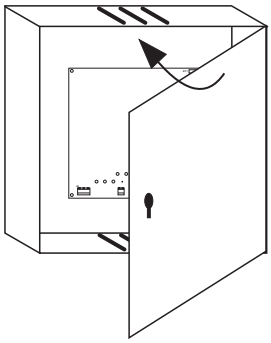


8 Check Network

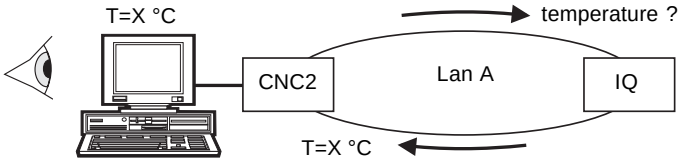


Installation - Configuration (continued)

9 **Close panel/covers**



10 **Check System**



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TREND | P.O. Box 34, Horsham, West Sussex, RH12 2YF United Kingdom | Website www.trend-controls.com
Telephone +44 (0)1403 211888 | Fax (International) +44 (0)1403 210982 | Fax (UK) +44 (0)1403 241608
E-mail trendinfo@novar.com | Registered office. Novar House 24 Queens Road Weybridge Surrey KT13 9UX Registered in England No 1664519