

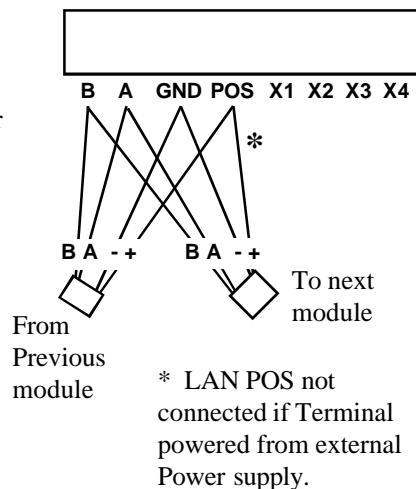
LAN Wiring

Model 3000 / ACCESS 4000 ONLY

The LAN is connected using twisted pair cable. One pair is used for Data A & B, and the other pair is used for POS & NEG. Data A & B must be on the same pair.

Links LK3, LK4 & LK5 must be set to the Left position.

LK1 (LAN Termination) is fitted if unit is one of the two furthest modules from the Control Module or a LAN Isolator. (See "Model 3000/4000 Installation manual" or "LAN Installation & Troubleshooting" for more details.)

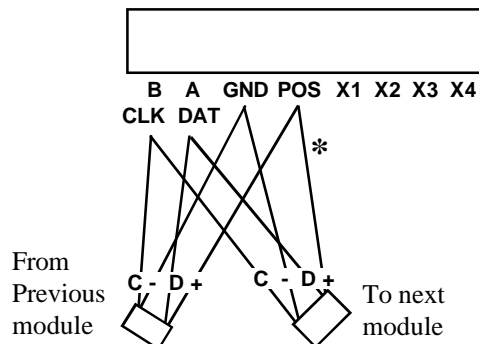


Model 1000 / Model 2000 ONLY

The LAN is connected using twisted pair cable. One pair is used for DATA & POS, and the other pair is used for CLOCK & NEG. Data and Clock must not be on the same pair.

Links LK3, LK4 & LK5 must be set to the Right position.

LK1 (LAN Termination) must NOT be fitted.



NOTE: LAN Power Cabling.

No. of LCD Terminals on Cable run:	Sep Power cable (or sep supply) required if over:
1 LCD Terminal (e.g. 48mA)	200 metres from 13.8V power source.
2 LCD Terminals (e.g. ~100mA)	100 metres from 13.8V power source.
4 LCD Terminals (e.g. ~200mA)	50 metres from 13.8V power source.

Remember to allow for any extra current required by Auxiliary devices, Detectors, etc.

UNIVERSAL ELITE LCD TERMINAL

INSTALLATION MANUAL

Introduction

The Universal Elite LCD Terminal is used in systems to perform programming and user operations, display alarm messages and review system activity. Configuration options allow this model to be installed in Model 3000/Access 4000 systems and also in Model 1000/2000 systems.

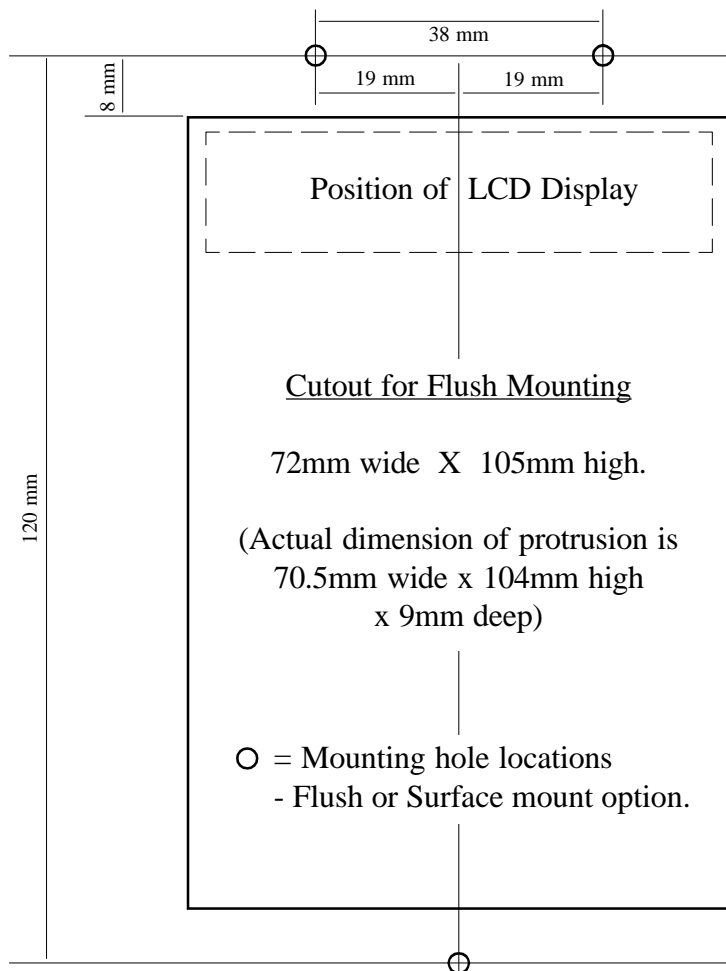
(Note: Model 1000/2000 only available in Australia and New Zealand)

User operation is enhanced with a backlit keypad for positive PIN & data entry and indicator LEDs to provide Area/system status information. Installation is simplified with the addition of screw terminals for wiring, and the ability to set the module number from the keypad. Flush or surface mount options, Tamper monitoring, Zones (3/4000 only) & Auxiliary outputs are all still provided.

Specifications

Power Supply Input:	11V to 14V DC
Operational Current:	Normal: 36mA Max: 48mA
Physical dimensions:	Height: 143mm
	Width: 89mm
	Depth: 28mm
Installation environment:	0° - 40° C @ 15% to 85% Relative humidity (non-condensing)

Installation Template



Tamper Switch Actuator



Surface mount option.
Plunger left intact.



Flush mount option.
Top of Plunger removed.

Commissioning on Model 3000 / Access 4000 systems

- When installation is complete & checked, power-up the module.
- The display may show a normal Diary, Area status, or Alarm message, etc. This means that the default Terminal number (*Set to 99 at the factory*) has been accepted. To change the Terminal no. & configure the "LED 4" and "Pulse Beeper" options, go to step 3. Alternatively, one of the messages opposite may be displayed if:
 - There is already an LCD Terminal with the same address number.
 - The module number is too high for the memory size / configuration.
- Enable Terminal configuration mode. Hold down the <HELP> key; Short LK2 (RESET); Wait 2 seconds; then release the <HELP> key.
- Terminal Number.** Select an LCD Terminal number that isn't already used in the system, then set the module number by entering the required number on the keypad, followed by <OK> to save.
- LED 4 Control.** To control LED 4 via an auxiliary (T?:X02), Use Right Arrow key to select "Aux2", then press <OK>. Auxiliary control of LEDs 1 to 3 is already available. See table below.
- Pulse Beep Option.** To enable pulsing beeper whenever Auxiliary 4 (T?:X04) is ON, Use Right Arrow key to select "Aux4", then press <OK>. *DO NOT wire to Zone 2/Aux 4 if this option selected.*
- Use the Left Arrow key at any time to scroll back through the questions. Press the <END> key when finished. Other Terminal options are set in "LCD Terminal Programming", <MENU>, 7, 2, 1.

Display message:

e.g.
Happy New Year

Module Exists.
Module Too Big.
Jump to step 4.

Display shows:
Module Number
Change No: 99

Led 4 >
Off

Pulse Beep >
Off

Zone Inputs

T?:Z01 Zone Input 1. Connect Door Reed if Door Forced/DOTL required.
T?:Z02 Zone Input 2. Connect REX button if required. (V2 Controller firmware or later)
See Programmer's manual for details of LCD Terminal System Inputs.

NOTE: T? = Terminal Number.

Auxiliaries

T?:X01 Aux. 1.
T?:X02 Aux. 2. **or** LED 4. (See above)
T?:X03 Aux. 3 unless used for Zone 1
T?:X04 Aux. 4 unless used for Zone 2 **or** Pulse Beeper option.
T?:X05 Aux. 5. Internal Beeper.
T?:X06 Aux. 6. LED 1.
T?:X07 Aux. 7. LED 2.
T?:X08 Aux. 8. LED 3.

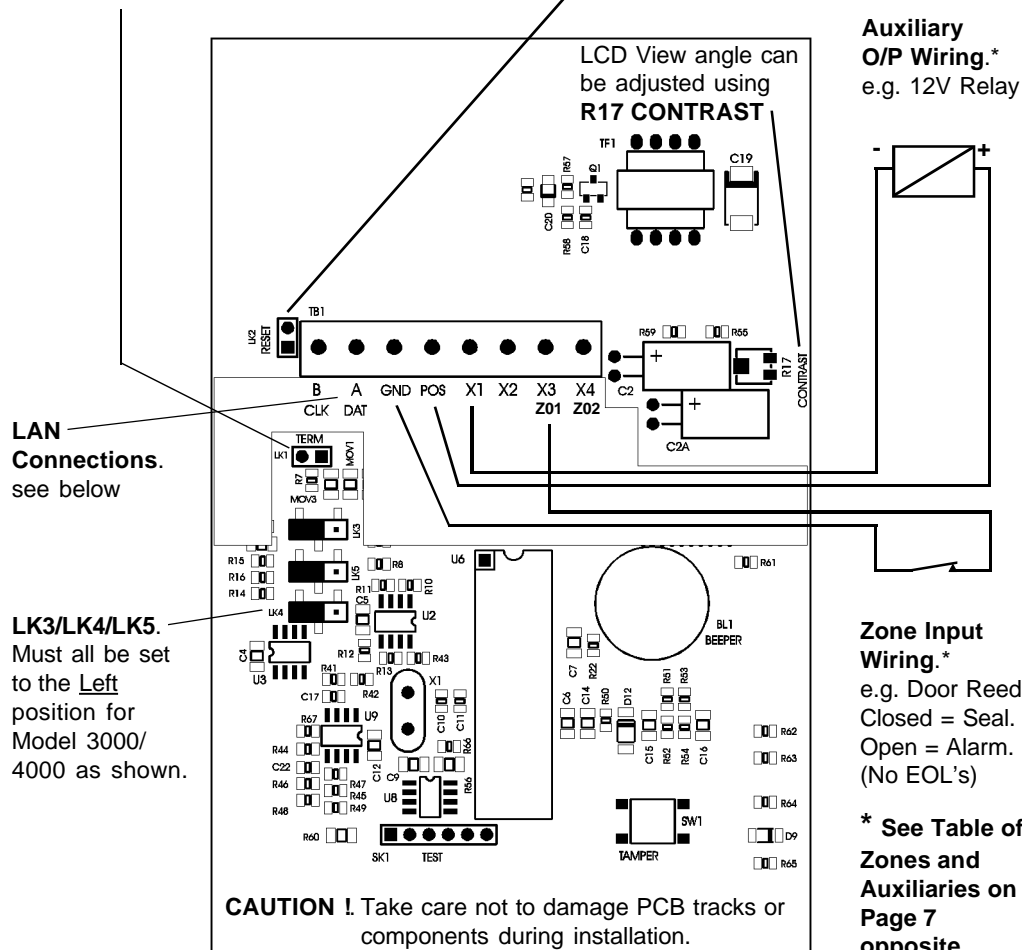
Connections & Link options - Model 3000 / Access 4000

LK1. LAN Termination.

Termination Link is only fitted when unit is the First or Last module in the LAN system.

NOTE: If LAN Isolators are used, each isolated section of the LAN is treated as a separate LAN system when terminating modules.

LK2. Reset. Shorting this link while holding down the <HELP> key enables Configuration mode where the Module number, LED 4 options & Pulse Beep option can be set.



LAN Wiring. Connect the LAN using twisted pair communications cable. Connect LAN A & B using one pair; GROUND & +VE with another pair. (Over longer distances, use heavy duty Fig. 8 for GND & +VE, or a separate power supply - See Note on Page 2) Cabling distance should be no more than 1.5km from the Control Module or a LAN Isolator, "LAN 2 or 3" Port.

Installing the LCD Terminal.

Elite LCD Terminal Parts List

- Elite LCD Terminal assembly.
- Alternative rear casing.
- Alternative hinged front cover.
- 4 x M2.5 Self tapping screws. (2 for fixing front of case to rear, plus 2 spare)
- Installation Manual and mounting template.

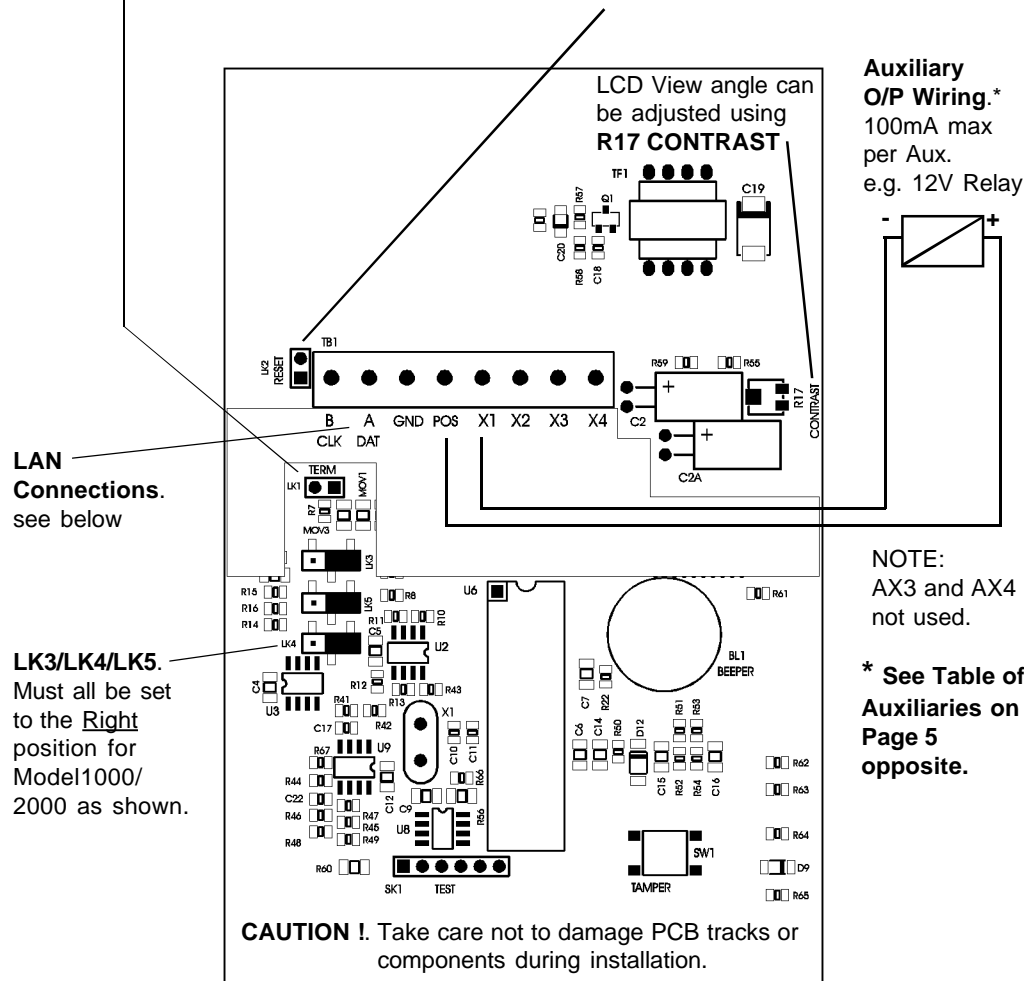
Installing the Unit

- Choose an appropriate mounting location and ensure that the LCD display will be at, or slightly below eye level for all users.
- If Flush mounting, cut a rectangular hole in the wall, 72mm wide and 105mm high and snap the extension plunger off the tamper switch lever before positioning the rear of the case into the wall. *Refer to Installation template supplied opposite.*
- The Flush mount or Surface mount rear casing can now be installed using three countersunk screws or bolts. Remember to insert the LAN cable and any other wiring through the cable entry cutout first. *Refer to Installation template supplied opposite.*
- Set Links 3, 4 and 5 to the correct position for the system type. (To the Right for Model 1000/2000 and to the Left for Model 3000/4000. *See diagrams on pages 4 and 6.*
- Connect the wiring into the Screw Terminal block TB1, and fit or remove the Termination link, LK1, as required. (Model 3000/4000 only) *Refer to "Connections & Link options", "Zone Inputs and Auxiliaries" and "LAN wiring" on pages 4 to 8 for details.*
- Position the two tabs at the top of the front casing into the retaining slots at the top of the rear casing, then secure the two halves using the M2.5 self tappers in the two holes at the bottom of the unit. (Normally concealed by the cover)
- Choose the appropriate front cover for this installation and fit onto the hinge pins at the bottom of the unit. (If not already fitted)
- When complete, commission the module by following the steps detailed on page 5 (Model 1000/2000 systems) or page 7 (Model 3000/4000 systems).

Connections & Link options - Model 1000 / 2000

LK1. LAN Termination.
Not Used on this version.

LK2. Reset. Shorting this link while holding down the <HELP> key enables Configuration mode where the Module number and LED options can be set.



LAN Wiring. Connect the LAN using twisted pair communications cable. Connect CLK & GND using one pair; DATA & POS with another pair. (Over longer distances, use heavy duty Fig. 8 for GND & +VE, or a separate power supply - See Note on Page 2) Cabling distance should be no more than 500m from the Control Module.

Commissioning on Model 1000 / 2000 Systems

- When installation is complete & checked, power-up the module.
- The display may show a normal Area status, or Alarm message, etc. This means that the default Terminal number (*Set to 1 at the factory*) has been accepted. To change the Terminal no. & configure "LED 1 & LED 2" go to step 3.
Alternatively, the message opposite may be displayed if:
-There is already an LCD Terminal with the same address number.
-The module number is too high for the memory size / configuration.
In either of these cases proceed to step 3.
-The module is waiting to be initialised. (~5 to 10 seconds)
- Enable Terminal configuration mode. Hold down the <HELP> key; Short LK2 (RESET); Wait 2 seconds; then release the <HELP> key.
- Terminal Number.** Select an LCD Terminal number between 1 and 8, that isn't already used in the system. The terminal numbers that you can use will depend on product (1000 or 2000) and memory option fitted. Then set the module number by entering the required number on the keypad, followed by <OK> to save.
- LED Control.** To control LEDs 1 and 2 via the two terminal auxiliaries (e.g. AX1 & AX9 on Terminal number 1), Use Right Arrow key to select "On", then press <OK>. See table below.
- Use the Left Arrow key at any time to scroll back through the questions. Press the <END> key when finished. Other Terminal options are set in "LCD Terminal Programming", <MENU>, 7, 2.
- Reconfigure the LAN.** If the new Terminal Number is not Number 1, the "No. of Modules" option must be performed.
Logon to an existing Terminal with the Installer Code then press <MENU>, 7, V, 0. Check the "Modules Present" display for details of the current Module status.
- Press <OK> 3 times to step through the LAN options and reconfigure the LAN. Check the display information at each step.
- Press <MENU>, 7, V, 0 again and check the "Modules Present" display to confirm that the new Terminal number is present and also check that all Modules connected are operational.

Display message:

e.g.
01/01/88 00:00
Area 9 is Off

T2000 V1.0

Display shows:
Module Number
Change No: 01

Leds >
Off

Modules Present
Terminals: 1, 2,

NOTE: Refer to the Installers manual page 3-3 to 3-5 for full details.

Auxiliaries

TERMINAL No:	AX1	AX2	TERMINAL No:	AX1	AX2
1	01	09	5	05	13
2	02	10	6	06	14
3	03	11	7	07	15
4	04	12	8	08	16