

## Elite LCD Terminal 3000/4000 995000

The Elite LCD Terminal is used in systems to perform programming and user operations, display alarm messages and review system activity.

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 & Auxiliary outputs are all still provided.

### Specifications

Power Supply Input:	11V to 14V DC
Operational Current:	Normal: 20mA Max: 45mA
Auxiliary Output Current:	100mA max. Each.
Physical dimensions:	Height: 143mm, Width: 89mm, Depth: 28mm
Installation environment:	0° - 40° C @ 15% to 85% Rel. humidity (non-cond.)

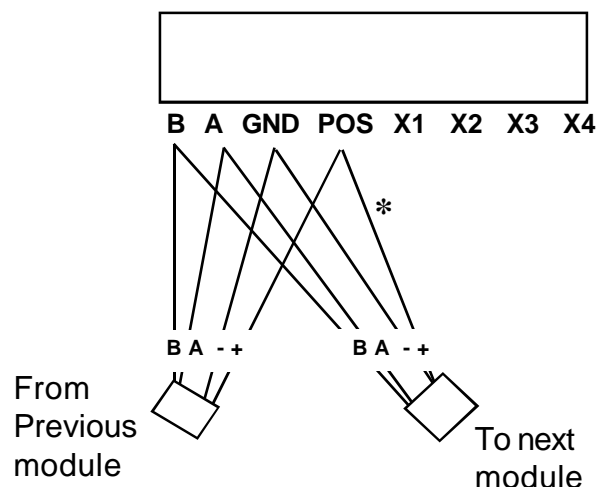
### Elite LCD Terminal Parts List

- 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.

### LAN Wiring

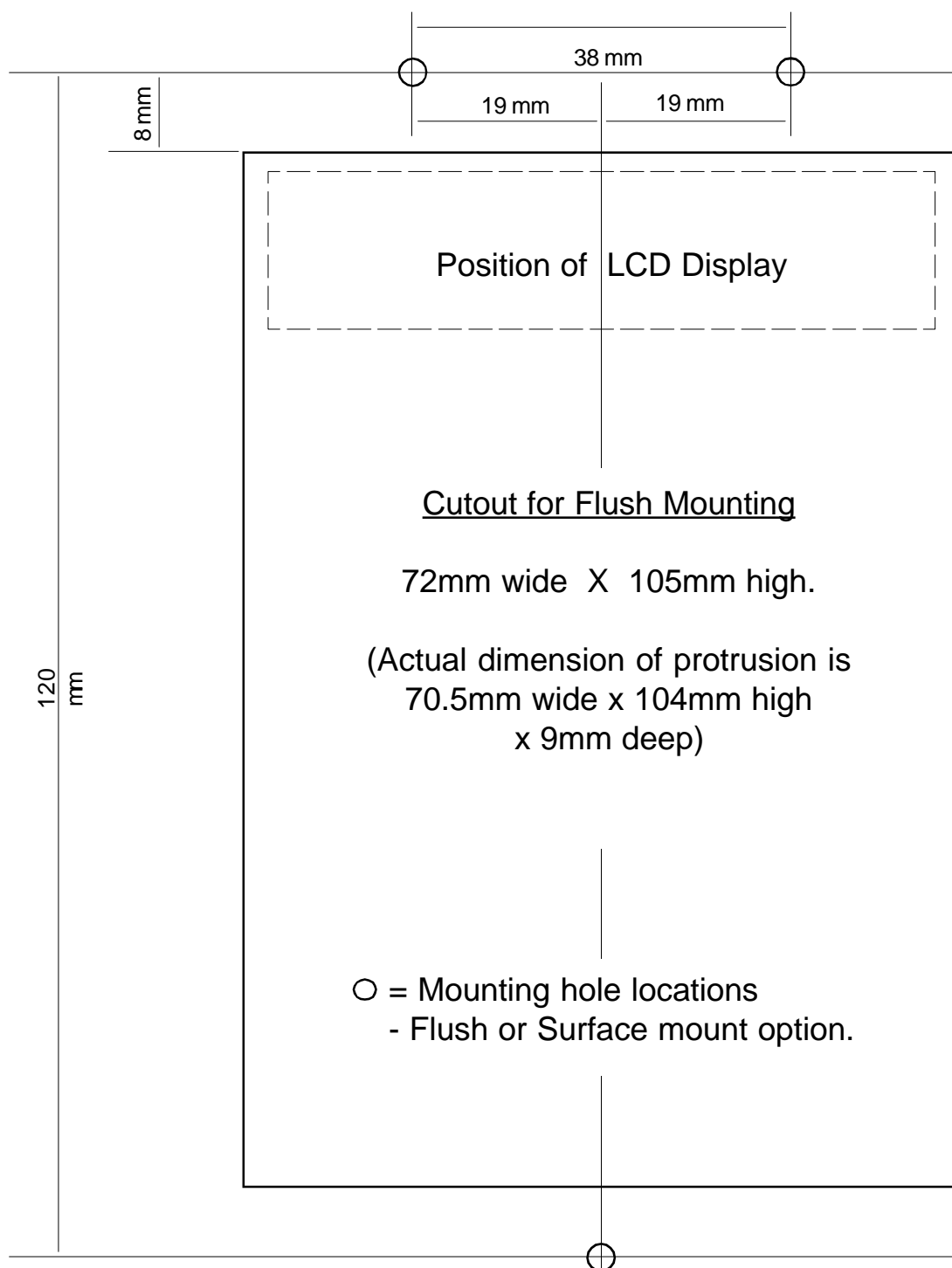
The LAN is connected using twisted pair communications cable. Connect Data A & B using one pair; POS & GND with another pair. Data A & B must be on the same pair.

(Over longer distances, use heavy duty Fig. 8 for POS & GND, or a separate power supply)  
Cabling distance should be no more than 1.5km from the Control Module or a LAN Isolator, "LAN 2 or 3" Port.



\* LAN POS not connected if Terminal powered from external Power supply.

## Installation Template



### Tamper Switch Actuator



**Surface mount option.**  
Plunger left intact.



**Flush mount option.**  
Top of Plunger removed.

## Connections & Link Options

### LK1 (LAN Termination)

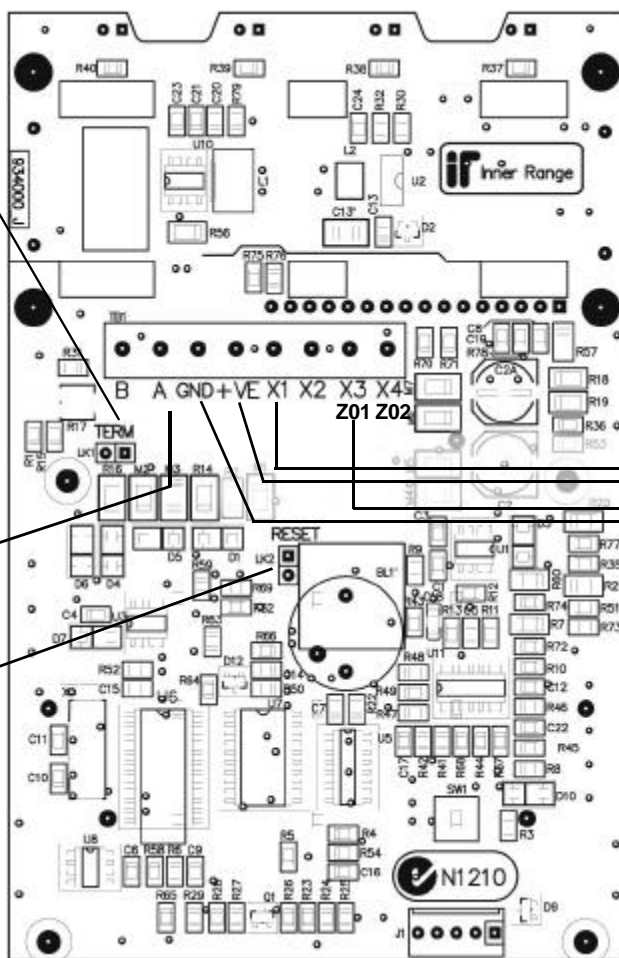
is fitted if unit is one of the two furthest modules on the LAN or a LAN Isolator. (See "Model 3000/4000 Installation manual" or "LAN Installation & Troubleshooting" for more details.) If LAN Isolators are used, each isolated section of the LAN is treated as a separate LAN system when terminating modules.

### LAN Connections.

See Page 1 for information.

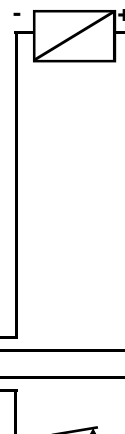
### LK2. Reset.

Shorting this link while holding down the <HELP> key enables Configuration mode, follow procedure on page 4.



### Auxiliary O/P Wiring.\*

100mA max.  
e.g. 12V Relay



### Zone Input Wiring.\*

e.g. Door Reed  
Closed = Seal.  
Open = Alarm.  
(No EOL's)

\* See Table of  
Zones and  
Auxiliaries on  
Page 4.

**CAUTION !.** Take care not to damage PCB tracks or components during installation.

## Installing the Terminal

- 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.*
- Connect the wiring into the Screw Terminal block TB1, and fit or remove the Termination link, LK1, as required. *Refer to "Connections & Link options", "Zone Inputs and Auxiliaries" and "LAN wiring"*
- 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)

## Commissioning

When installation is complete, power the Terminal. 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, “LED 4”, “Pulse Beeper” and Contrast options, go to step 1.

- 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.

### 1. Enable Terminal Configuration Mode.

Short LK2 (RESET); push down and hold the <HELP> key; Wait 2 seconds; then remove short on LK2 and release the <HELP> key.

### 2. 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.

### 3. 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.

### 4. Contrast Setting.

Use Up/Down Arrow keys to select the contrast required.

### 5. 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.*

Display message:

**Module Exists.  
Module Too Big.  
go to step 1.**

Display shows:  
**Module Number  
Change No: 99**

**Led 4            >  
Off**

**Contrast    Ū / Ū**

**Pulse Beep   >  
Off**

Use the Left Arrow key at any time to scroll back through the options. Press the <END> key when finished. Other Terminal options are set in “LCD Terminal Programming”, <MENU>, 7, 2, 1.

### Zone Inputs

**T?:Z01** Zone Input 1. Connect Door Reed if Door Forced/DOTL required. (No EOL required)

**T?:Z02** Zone Input 2. Connect REX button if required. (No EOL required)

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.