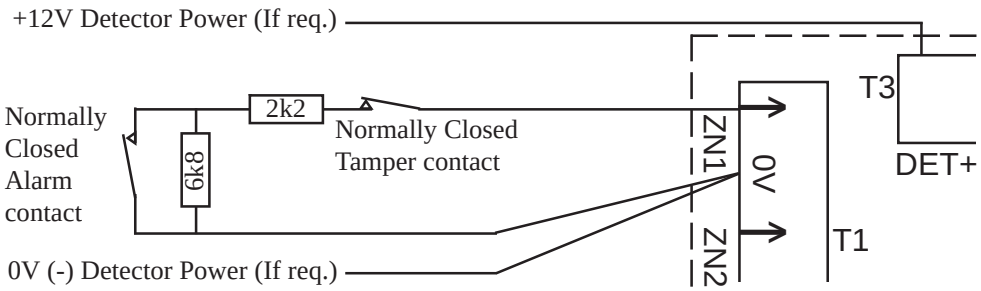
Zone Input Wiring Example

Note that UniBus 8 Zone Expander Inputs support the full range of Integriti EOL configurations and Input Types including Analogue and Counter.

NORMALLY CLOSED ALARM CONTACTS. (Concept 3K EOL scheme shown)



NORMALLY OPEN ALARM CONTACTS.

Wired in exactly the same manner as above. However, when programming the Zone Input, the Input Option "Swap Alarm and Seal" must be enabled.
To see this setting via an LCD Terminal, (MENU, 7, 0), check the "W" option in the Input options screen:

n = Normal operation.
Y = Alarm/Seal states swapped.

i.e.

```
C01:Z17     S N W X A Z R I
Ifg:        n n Y n n n n n
```

Commissioning

1. When wiring is complete and checked to be OK, connect power to the host Module.
2. The Zones can be tested via the Integriti System Designer Software by selecting "Inputs", scrolling to the Module that you wish to test, and viewing the current Input states in the "Status" column which updates in real-time.

   Zones can also be tested by the Installer from an LCD Terminal via the "Test Inputs" option. <MENU>, 4, 1. Use the ON key to enter the Zone ID, then press OK to view the current state. The RIGHT ARROW key can be used to change modes including a Zone array mode that allows the current state of 8 sequential Zones to be shown.
3. Program the new Zone Inputs and assign them to the appropriate Area/s.

 Part No: 636500

Integriti
UniBus 8 Zone Expander
P/N: 996500PCB&K

INSTALLATION GUIDE

Introduction

The UniBus 8 Zone Expander connects to an Integriti Security Controller (ISC), 8 Zone Expander or 16 Zone Expander Module via the UniBus Port. It provides an additional 8 Zone Inputs that support all Integriti Zone Types including Analogue and Counter types along with extra detector power supply connections (DET+) to simplify device wiring.

Specifications

Power Supply Input:		11V to 14V DC via host Module.
Current Consumption:		75mA. (Not including detector power)
Physical dimensions:	Length:	105mm (94mm with snap-off strip removed)
	Width:	94mm
	Depth:	15mm (28mm with UniBus cable connected)
Installation environment:		0º to 40º Celsius
		15% to 85% Relative humidity (non-condensing)

Parts List

- 8 Zone UniBus Expansion board sub-assy.
- 5 x 4 way plug-on screw terminals.
- 1 x Jumper Link 0.1".
- 1 x UniBus Cable. 270mm. (Other lengths available. See page 2 for details)
- 4 x Metal M3 Mounting Clips.
- 4 x M3 screws.
- 10 x 2k2 End-of-line resistors. (red-red-black-brown-brown)
- 10 x 6k8 End-of-line resistors. (blue-grey-black-brown-brown)
- Installation Guide. (This document)

Mounting the UniBus 8 Zone Expander

1) Remove the power and disconnect the battery from the Host Module.

2) Choose a mounting location that will allow an Integriti 6-way UniBus cable to be connected between the 8 Zone Expander and the Host Module or an existing UniBus Board, without strain, then install the appropriate Standoffs.
The 8 Zone Expander Board may be installed by one of the following methods:
a) Mounted on the chassis using the 4 PCB mounting clips provided.
b) Mounted above an existing Integriti Size B Board using 35mm Hex Brass standoffs purchased seperately (Part Number 999009). Snap-off strip on PCB must be retained.

3) Secure the Board to the standoffs using the M3 screws provided.

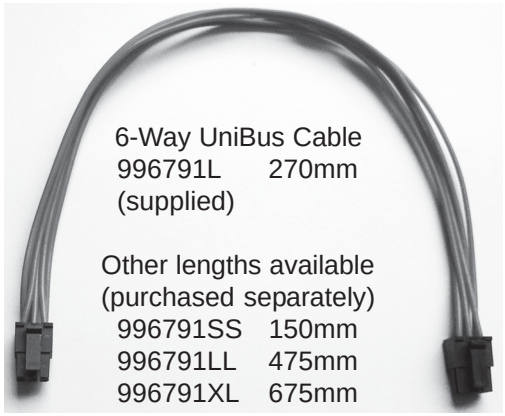
4) Using an Integriti 6-way UniBus cable, connect P1 to the UniBus connector on the Host Module or the spare UniBus connector on an existing UniBus Board.
NOTES: 1) Only use Inner Range UniBus cables.
A 270mm UniBus cable is provided. Other lengths are listed below.
2) A maximum of 6 UniBus Boards can be connected to a single Host Module.
3) All UniBus Boards must be in the same enclosure as the Host Module.
4) Total combined length of UniBus cables must not exceed 1620mm.

5) Detemine the Zone Input numbers that will be assigned to this 8 Zone Expander board and adjust the settings of Switches 1 and 2 on DIPswitch SW1 accordingly.
e.g. If connecting to an Integriti Security Controller, the Unibus Zone Expander will be assigned Zones 17 to 24 or Zones 25 to 32.
See the table on page 3.

6) Re-apply power and re-connect the Battery to the host Module.

7) Wait about 20 seconds, then check the Status LEDs, L1 and L2.

L1	OFF	OK
	Flashing	Getting Address
	ON	Address Clash or Too High. Choose another address.
L2	Slow Flash	OK



UniBus 8 Zone Expander Board layout

T3. Detector Power.
+12V Detector Power Supply output. (Protected via Host Module Detector Fuse). NOTE: Use the Zone I/P "0V" terminal for the Detector 0V (DET-) power connection. *See diagram on p4.*

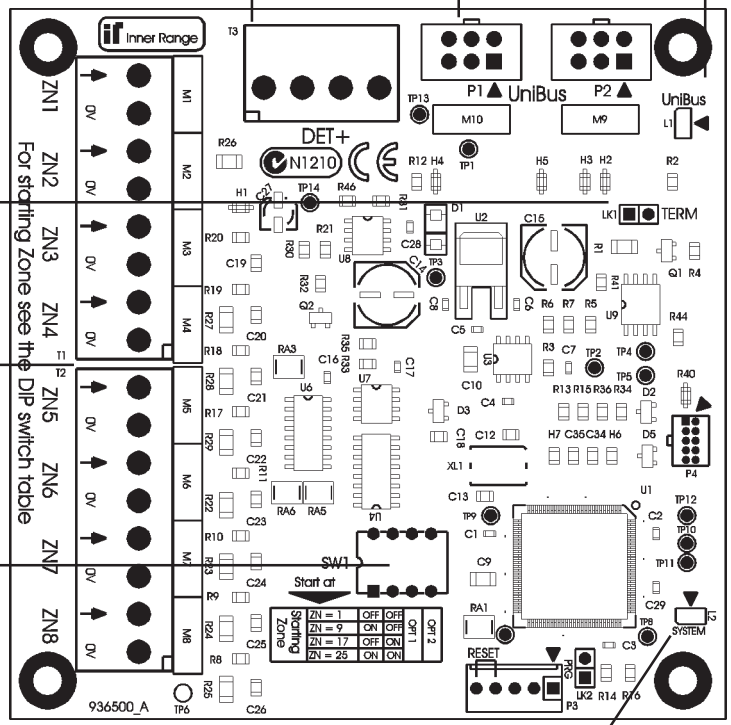
P1 & P2.
UniBus Connections

L1.
UniBus Status
See table on p2.

LK1. TERM
NOT fitted.

T1 & T2.
Zone Input connections.

SW1.
Options DIPswitch.
S1 & S2: Zones.
See table below.
S3: Spare.
S4: Spare.



L2.
System Status.
See table on p2.

Assign Zones			DIPswitch 1	DIPswitch 2
1	to	8	OFF	OFF
9	to	16	ON	OFF
17	to	24	OFF	ON
25	to	32	ON	ON

NOTE: Links LK1 & LK2 and Headers P3 & P4 are not used in the field.