Integriti
Wide Body Low Profile Enclosure.

P/N. Non-powered: 995204
Powered (8A): 995204PE8

INSTALLATION MANUAL

Overview

The Wide Body Low Profile Powered Enclosure is a locking general purpose ancillary enclosure. The Powered option incorporates a Battery-backed 12 Volt, 8 Amp Smart Power Supply. (Note: Battery purchased separately) The enclosure can accomodate various combinations of Integriti Controllers, Modules &/or peripheral devices. *Examples are provided on page 6.* Space is also provided for one or two Sealed Lead-Acid Batteries in the range of 6.5AH to 18AH capacity.

The 8A Smart Power Supply provided in the "Powered" version can be used to power Integriti Modules and associated devices such as Detectors and Auxiliary Devices. It is a fully assembled, enclosed unit with a standard IEC power cord and does not require installers to be specially certified. It features a high reliability design that offers exceptional stability when used with the recommended battery type and is also compatible with Proximity type reader heads.

Specifications

Dimensions:	Length: 595 mm. (Allow at least 20mm at bottom of case for Mains cable entry) Width: 512 mm. Depth: 90 mm.
Weight: (Approx. for Powered version)	15 kg. (Enclosure with cover fitted, 8A Power Supply and one 18AH battery.)
Operating Environment:	0º to 40º Celsius (Ambient) 15% to 85% Relative humidity (non-condensing)

For Electrical Specifications see the "Integriti 8A Smart Power Supply Installation Manual" (P/N: 636092).

Parts List

NOTE: Items marked with an asterisk (*) are only provided in the Powered version.

- Locking Wide Body Metal enclosure with cover secured by M4x10 screws (x2)
- 2 Keys. These are taped to the rear of the enclosure. Note that all enclosures are keyed alike.
- Integriti medium PCB Mounting plate secured with M3x12 screws and flat washers (x4).
- Tamper switch bracket Post secured with M3x6 screws, shakeproof and flat washers (x2).
- Installation Manual. (This document)
- Expansion Plate information note.
- * 8A Smart Power Supply secured with M4x5 screws and shakeproof washers (x4).
- * IEC Right-angle Mains Cable, grommet and cable entry plate secured with M3 nuts, shakeproof and flat washers (x2).
- * Earth cables. Chassis to PCB and Chassis to PSU. Secured with M4 Nyloc nut and 2x M4 shakeproof washers.
- * Integriti 8A Smart Power Supply Installation Manual.

- Installation Kit containing:
  - PCB Mounting Clip pack M3. (25 clips/screws)
  - 1 x Tamper Switch and Metal bracket.
  - 2 x 4.8mm Tamper switch connectors.
  - * 1 x Integriti 10-way PSU Cable. 430mm. (P/No: 605062)
  - * 1 x Integriti Heavy Duty Battery cable with eyelets for 17 or 18AH Battery. (P/No: 605055)
  - * 1 x Integriti Battery cable with QC connectors. (P/No: 605052)

Designed & manufactured in Australia.

Due to on-going product development this manual is subject to change without notice.

© 2014. Inner Range Pty. Ltd.

Installation. (Refer to drawings on pages 3 to 6)

1. Installation environment should be maintained at 0º to 40º C and 15% to 85% Relative humidity (non-condensing).

2. The enclosure must be secured to a flat, vertical surface using appropriate fasteners through the six "keyhole" mounting holes in the base. The Power Supply and Battery space must be at the bottom as shown on pages 3 & 6.

3. When mounting this product onto flammable surfaces, a fire protection backplate MUST BE INSTALLED. Any Conduit entry points that have had the knockout removed but are not used, must also be resealed using 25mm Conduit Plugs. *See Diagram 1 below.*

4. Fit the tamper switch into the tamper switch bracket. Install this assembly by placing the tamper switch plunger in the round hole provided in the base, and the tongue on the bracket through the slot provided in the lip in the top of the chassis. *See Diagram 2 below and page 3.*

5. An additional Tamper switch may be fitted in the centre of the enclosure if required. A Tamper switch bracket mounting post is provided for this purpose. Installation is done in the same manner as described in Step 4. *See Diagram 2 below and page 3.*

6. A hinged extension plate may be purchased that can be mounted in the top left of the enclosure. This plate provides an additional PCB mounting surface above other PCBs mounted in that area. P/No: 999027. *See page 5 for details.*

7. One or two Batteries may be installed in the bottom of the enclosure. *See Page 6.*

8. The metal chassis is electrically earthed and the Circuit Board Assemblies are electrically isolated from the chassis. When mounting and wiring the Module, the Installer must ensure that this isolation is maintained.

Power Supply connections. *See the "8A Smart Power Supply Installation Manual" provided. (P/N: 636092).*

Fitting the Cover.

In order to comply with regulations, the cover must be fitted and the two screws provided to fix the cover to the chassis must be tightly secured.

Diagram 1.
Refer to "Mounting the Unit", Step 3.

Fire Protection Backplate.

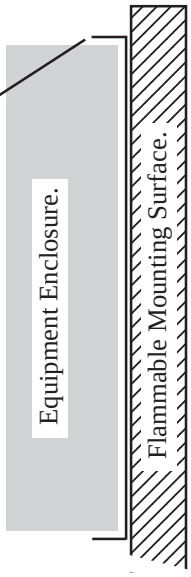
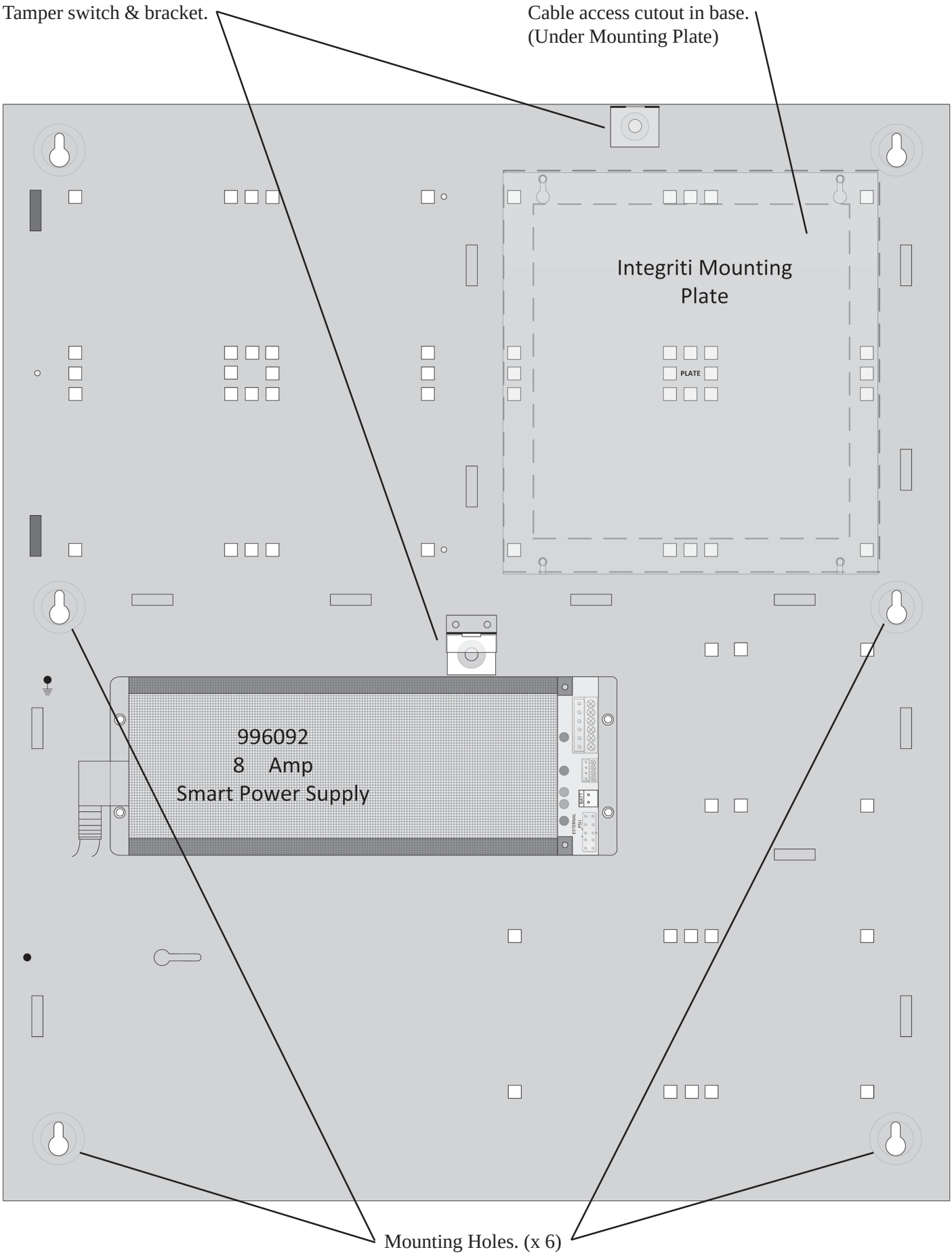


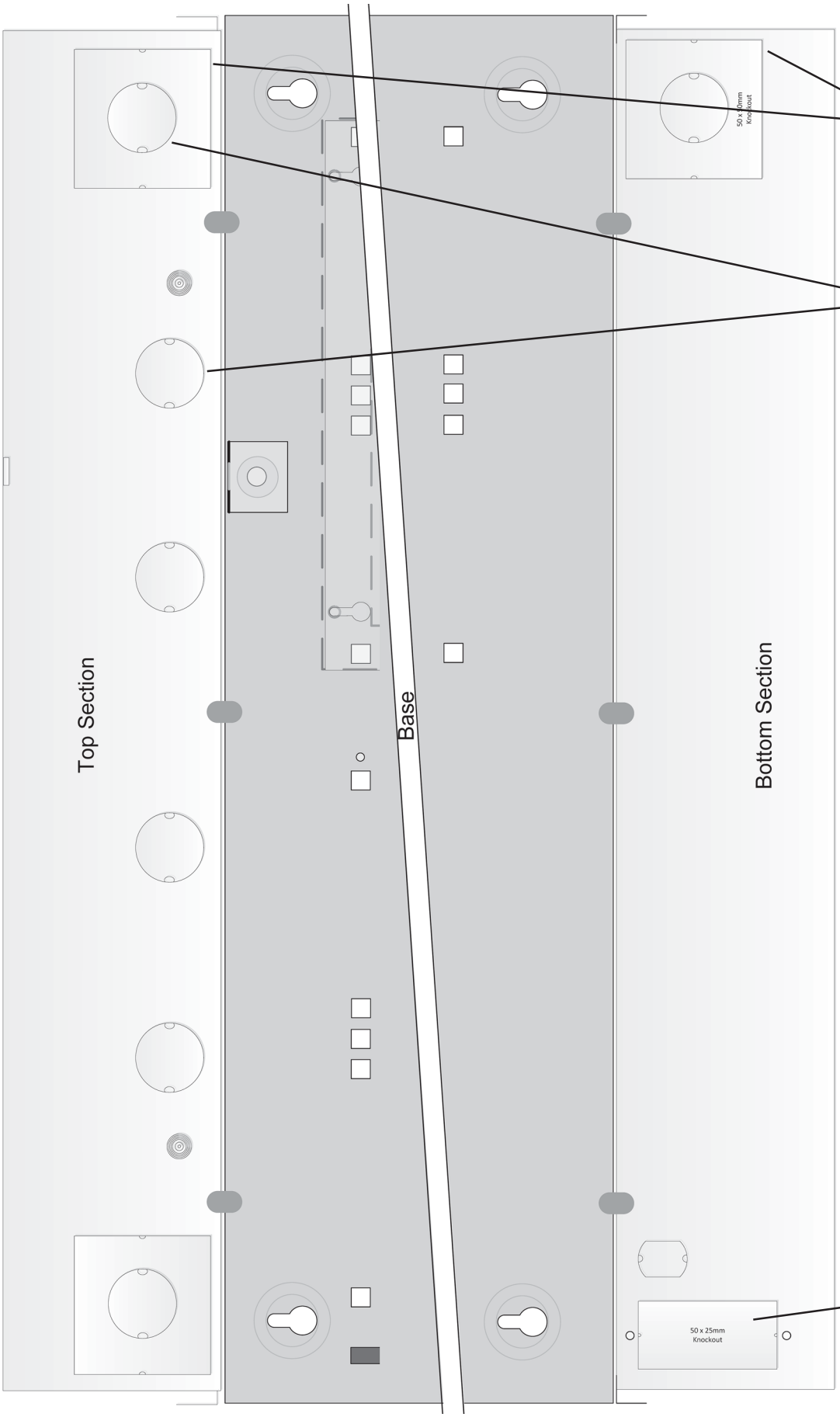
Diagram 2.
Refer to "Mounting the Unit", Step 4.

Tamper Switch in bracket.




Tamper switch & bracket.
Cable access cutout in base.
(Under Mounting Plate)
Integriti Mounting
Plate
PLATE
996092
8 Amp
Smart Power Supply
Mounting Holes. (x 6)

Top and bottom sections of the base of the enclosure as viewed from the inside.



Knockouts are provided for:

50mm Square Conduit.
3 in total.

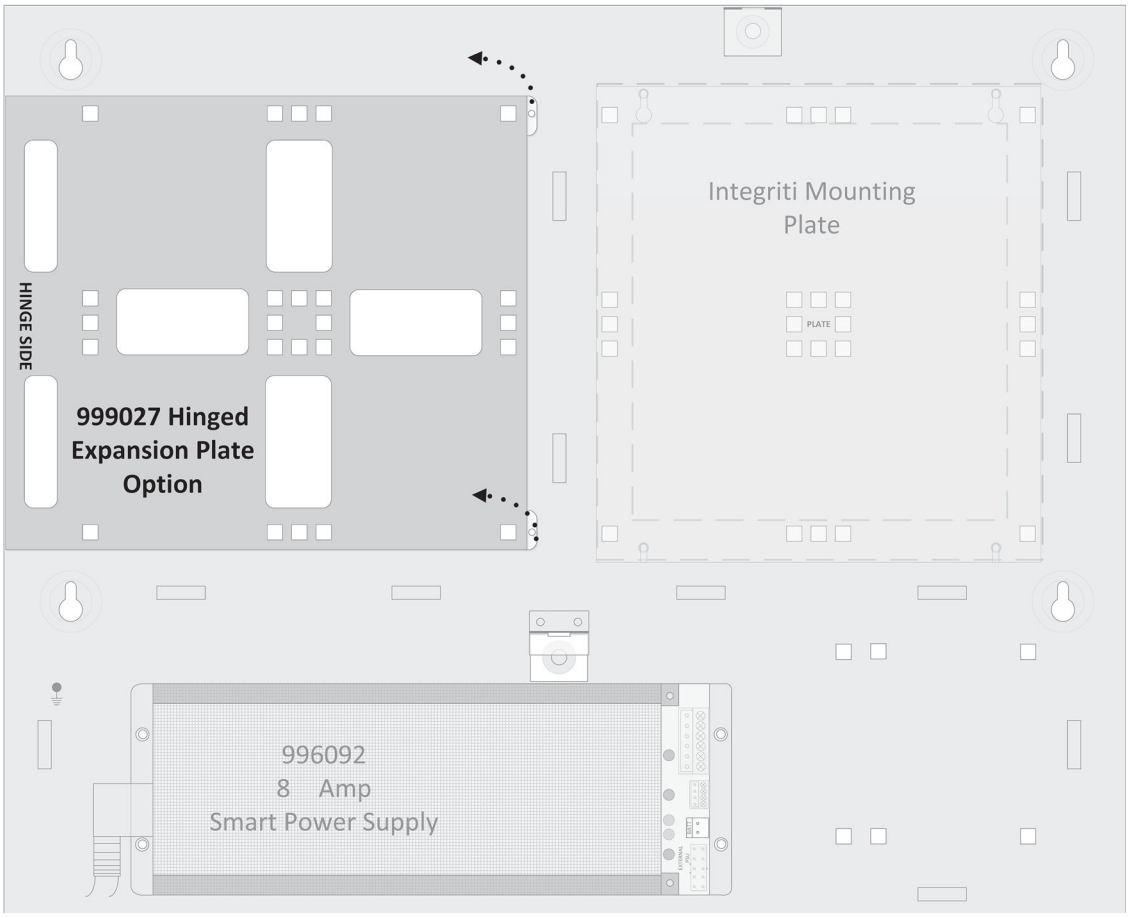
and

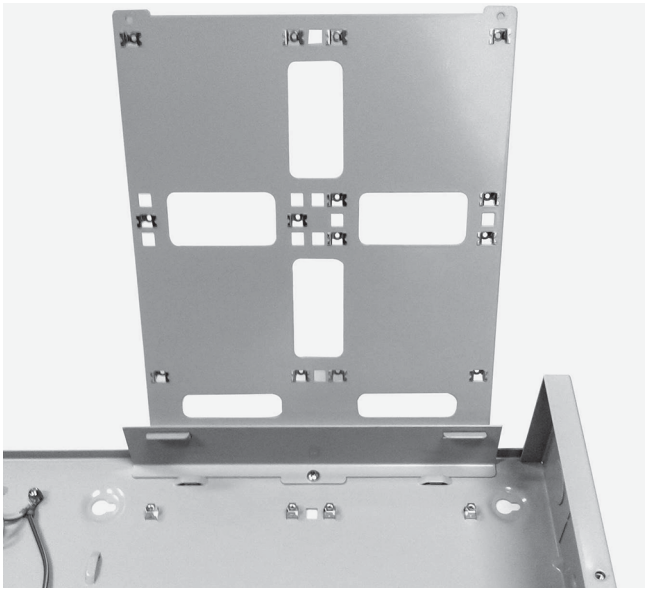
25mm Round Conduit.
7 in total (Note that 3 are incorporated into the 50mm knock-outs)

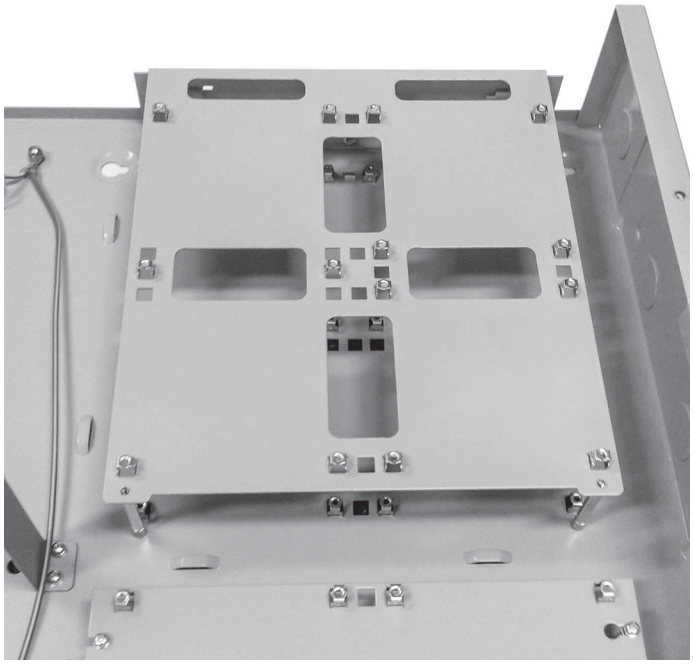
Mains Cable entry.

Hinged Expansion Plate Option. P/N: 999027 (Purchased separately)

A hinged Expansion Plate can be fitted as shown below allowing an additional layer of PCBs to be fitted inside the enclosure.
When fitted, PCB assemblies up to 34mm in height can be installed both on and under the Expansion Plate.
Note that the Integriti Security Controller (ISC) is larger than 34mm in height. If an ISC is to be installed in the enclosure, it must be installed on the original mounting plate.







Layout Example: 8 Door Access Control.

This layout consists of:

1 x Integriti 2 Door/2 Reader Intelligent LAN Access Module (ILAM).
3 x UniBus 2 Door/2 Reader Expansion Boards.
1 x 8 Amp Smart Power Supply and 1 or 2 Batteries as required.

