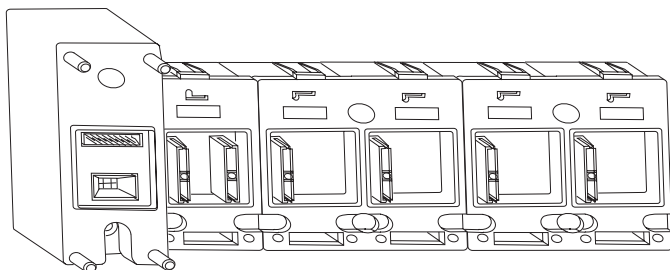




FlexArmor I/O Baseplates

(Cat. No. 1798-BP2, -BP4, -BP6, and -BP8)



42532

The FlexArmor Baseplates provide connection points for FlexArmor communication adapters, Field Termination Plugs, I/O modules, and signal ground. The Baseplates are available with 2, 4, 6, or 8 I/O slots, depending upon your installation requirements. The completely assembled FlexArmor system requires no enclosure.

These instructions describe the installation of the FlexArmor Baseplate. The catalog numbers for the Baseplates are:

- 1798-BP2 for 2 I/O modules
- 1798-BP4 for 4 I/O modules
- 1798-BP6 for 6 I/O modules
- 1798-BP8 for 8 I/O modules

European Union Directive Compliance

If this product has the CE mark it is approved for installation within the European Union and EEA regions. It has been designed and tested to meet the following directives.

EMC Directive

This product is tested to meet Council Directive 89/336/EEC Electromagnetic Compatibility (EMC) and the following standards, in whole or in part, documented in a technical construction file:

- EN 50081-2 EMC - Generic Emission Standard, Part 2 - Industrial Environment
- EN 50082-2 EMC - Generic Immunity Standard, Part 2 - Industrial Environment

This product is intended for use in an industrial environment.

Low Voltage Directive

This product is tested to meet Council Directive 73/23/EEC Low Voltage, by applying the safety requirements of EN 61131-2 Programmable Controllers, Part 2 - Equipment Requirements and Tests.

For specific information required by EN 61131-2, see the appropriate sections in this publication, as well as the following Allen-Bradley publications:

- Industrial Automation Wiring and Grounding Guidelines For Noise Immunity, publication 1770-4.1
- Automation Systems Catalog, publication B113 Powering Outputs Using DeviceNet™ Power

Package Contents for Baseplates

Your package contains these installation instructions and one 1798-BP2, -BP4, -BP6, or -BP8, depending on the Baseplate used:

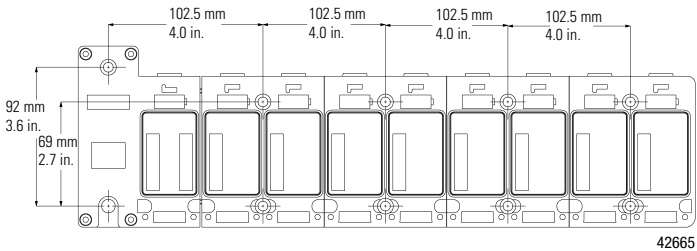
(Please note: FlexArmor I/O modules, adapters, and Field Termination Plugs are ordered and shipped separately.)

Mount the Baseplate

To mount the Baseplate on a wall or panel, use the screw holes provided in the FlexArmor Baseplate.

A mounting illustration for the FlexArmor Baseplate is below.

25 mm (0.98 in.) clearance all around



Install the mounting plate as follows:

1. Lay out the required points as shown in the drilling dimension drawing.
2. Drill the necessary holes for #10 (M6) machine or self-tapping screws.
3. Mount the Baseplate using #10 (M6) screws.
4. Ground the system using the ground lug connection. (The ground lug connection is also a mounting hole.)


To view a drill template for the FlexArmor Baseplate, refer to the website <http://www.ab.com/abecad/>.

You are now ready to install your selected FlexArmor components. Please refer to the individual component installation instructions for guidelines.

Specifications

FlexArmor Baseplates - Cat. No. 1798-BP2, -BP4, -BP6, -BP8

General Specifications

External Power	28.8V dc maximum
Sensor Power Bus Output Power Bus	2.5A maximum 10A maximum
Environmental Conditions Operational Temperature Storage Temperature Shock Operating Non-operating Vibration	-20 to 60°C (-4 to 140°F) -40 to 85°C (-40 to 185°F) 30g peak acceleration, 11(±1) ms pulse width 50g peak acceleration, 11(±1) ms pulse width Tested 5g @ 10-500 Hz per IEC 68-2-6
Enclosure	Meets IP67
Agency Certification (When product is marked)	CUL listed UL Hazardous Class 1, Division 2, Groups A, B, C, D certified CE marked for all applicable directives  marked for all applicable acts N223

Hazardous Location Approval

The following information applies only to products marked with Hazardous Location Approval, when operating in hazardous locations:

Products marked “CL I, DIV 2, GP A, B, C, D” are suitable for use in Class I Division 2 Groups A, B, C, D, Hazardous Locations and nonhazardous locations only. Each product is supplied with markings on the rating nameplate indicating the hazardous location temperature code. When combining products within a system, the most adverse temperature code (lowest “T” number) may be used to help determine the overall temperature code of the system. Combinations of equipment in your system are subject to investigation by the local Authority Having Jurisdiction at the time of installation.

WARNING**EXPLOSION HAZARD -**

- Do not disconnect equipment unless power has been removed or the area is known to be nonhazardous.
 - Do not disconnect connections to this equipment unless power has been removed or the area is known to be nonhazardous. Secure any external connections that mate to this equipment by using screws, sliding latches, threaded connectors, or other means provided with this product.
 - Substitution of components may impair suitability for Class I, Division 2.
 - If this product contains batteries, they must only be changed in an area known to be nonhazardous.
-

WARNING

Use supply wires suitable for 30°C above surrounding ambient.

WARNING



When used in a Class I, Division 2, hazardous location, this equipment must be mounted in a suitable enclosure with proper wiring method that complies with the governing electrical codes.

Les informations suivantes ne concernent que les produits marqués pour une utilisation en environnements dangereux :

Les produits marqués « CL I, DIV 2, GP A, B, C, D » ne conviennent qu'à une utilisation en environnements de Classe I Division 2 Groupes A, B, C, D dangereux et non dangereux. Chaque produit est livré avec des marquages sur sa plaque d'identification qui indiquent le code de température pour les environnements dangereux. Lorsque plusieurs produits sont combinés dans un système, le code de température le plus défavorable (code de température le plus faible) peut être utilisé pour déterminer le code de température global du système. Les combinaisons d'équipements dans le système sont sujettes à inspection par les autorités locales qualifiées au moment de l'installation.

AVERTISSEMENT



RISQUE D'EXPLOSION -

- Couper le courant ou s'assurer que l'environnement est classé non dangereux avant de débrancher l'équipement.
 - Couper le courant ou s'assurer que l'environnement est classé non dangereux avant de débrancher les connecteurs. Fixer tous les connecteurs externes reliés à cet équipement à l'aide de vis, loquets coulissants, connecteurs filetés ou autres moyens fournis avec ce produit.
 - La substitution de composants peut rendre cet équipement inadapté à une utilisation en environnement de Classe I, Division 2.
 - S'assurer que l'environnement est classé non dangereux avant de changer les piles.
-

AVERTISSEMENT

Utiliser des fils d'alimentation qui conviennent à une température de 30°C au-dessus de la température ambiante.

AVERTISSEMENT

Pour une utilisation en environnement de classe i, division 2 dangereux, cet équipement doit être monté dans un boîtier avec un câblage approprié conforme aux normes électriques en vigueur.

This product has been tested at an Open DeviceNet Vendor Association, Inc. (ODVA) authorized independent test laboratory and found to comply with ODVA Conformance Test. Please contact the ODVA website (<http://www.odva.org>) for listing of products tested by ODVA independent test labs for further details.

Allen-Bradley is a registered trademark of Rockwell Automation.
DeviceNet is a trademark of Open DeviceNet Vendor Association (ODVA).

Reach us now at www.rockwellautomation.com

Wherever you need us, Rockwell Automation brings together leading brands in industrial automation including Allen-Bradley controls, Reliance Electric power transmission products, Dodge mechanical power transmission components, and Rockwell Software. Rockwell Automation's unique, flexible approach to helping customers achieve a competitive advantage is supported by thousands of authorized partners, distributors and system integrators around the world.

Americas Headquarters, 1201 South Second Street, Milwaukee, WI 53204, USA, Tel: (1) 414 382-2000, Fax: (1) 414 382-4444
European Headquarters SA/NV, avenue Hermann Dierbroux, 46, 1160 Brussels, Belgium, Tel: (32) 2 663 06 00, Fax: (32) 2 663 06 40
Asia Pacific Headquarters, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2387 4788, Fax: (852) 2508 1846



**Rockwell
Automation**