



Offering you more flexibility in harsh environments.



ArmorBlock MaXum I/O MaXimum On-Machine™ Protection for the MaXimum Value

Product Profile

Rockwell Automation's Allen-Bradley brand of industrial distributed I/O now offers greater flexibility where severe industrial environments are found.

Thinking Outside the Enclosure

Besides the standard features of Rockwell Automation's hardened ArmorBlock™ I/O family, the ArmorBlock MaXum™ I/O is one of the first I/O products on the market to take advantage of the KwikLink™ flat media system for DeviceNet™ communications.

The entire system is rated IP67 and NEMA 4X giving you the flexibility to place the blocks close to or On-Machine™ mount in harsh environments.

This allows you to reduce or eliminate the number of enclosures or trays that were once necessary to protect either the media or the block in most harsh environments, saving you time and costs relative to your installation.

In addition, the KwikLink cable system passes directly through the ArmorBlock MaXum block reducing even more space typically needed to mount the products on your machinery. Connectivity is also provided

for the standard round media systems through either direct connection or drop cables.

The ArmorBlock MaXum block is made up of two major parts:

- The base, which attaches directly to the round or flat media cable
- The top with the device connectors, LEDs and markers, which attaches to the base



More Cost-Effective and Time-Efficient

The ArmorBlock MaXum I/O and the DeviceNet communication system offer you a cost-effective solution for your distributed I/O application by eliminating or reducing the need for T-port taps and molded cables. In effect, we've reduced the overall time it takes you to get your application up and running.

Once you've installed the new ArmorBlock MaXum I/O, you can replace the top unit without disrupting the network connection should you experience a failure in the system. Quick and easy!



Connecting to the Future

ArmorBlock MaXum I/O offers a wide range of input and/or output combinations to suit your application needs. Combined with Rockwell Automation's Allen-Bradley sensors, actuators and media you can construct the most cost-effective and reliable DeviceNet system configuration.

Offers Flexibility for Application Needs

ArmorBlock MaXum I/O offers a number of features that make it the premier offering for hardened, distributed 24V dc I/O on DeviceNet.

DeviceLogix for Local Control

DeviceLogix gives you local control over your outputs for high-speed applications.

Features/Benefits of the ArmorBlock MaXum I/O

Features	Benefits
Choice of network media	Allows flexibility in choosing the DeviceNet media best suited to the application
Rotary address switches	Easy and error free setting of DeviceNet node address
AutoBaud detection	Eliminates potential for incorrect baud rate problems
Short-circuit, open-wire and no-load detection	Provides point analysis of wiring and sensor problems
Universal PNP/NPN inputs	Able to interface with either sourcing or sinking devices
Separate top and cable base construction	Easy replacement of modules without disconnecting from the network
User selectable input filter times	Filters and minimizes false input transitions
Polled, cyclic or change-of-state DeviceNet operation	Choose the DeviceNet communication mode that best fits your application needs
Electronically protected outputs with selectable output latching	Automatically protects outputs from over current and short-circuit conditions. Output can be latched if appropriate for the application.
Hardware Watchdog circuitry	Puts outputs in known state if internal failure occurs
ODVA V2.0 compliance tested	Ensures a reliable DeviceNet product, which is fully compatible with all other Allen-Bradley and non-Allen-Bradley DeviceNet compliant products
DeviceLogix™	Provides control of outputs right inside the block

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ArmorBlock MaXum I/O Module Options

Module	Options
1792D-2BV0D	2 in sink/source
1792D-4BV0D	4 in sink/source
1792D-8BV0D	8 in sink/source 8 connectors
1792D-8BVT0D	8 in sink/source 4 connectors
1792D-16BV0D	16 in sink/source
1792D-16BV0CD	16 in sink/source, 8 connectors with point-level diagnostics
1792D-2BVA2D	2 in sink/source w/alarm, 2 out
1792D-4BV4D	4 in sink/source, 4 out, 8 connectors
1792D-4BVT4D	4 in sink/source, 4 out, 4 connectors
1792D-8B108E	8 in/8 out, shared connector
1792D-8BVT8D	8 in sink/source, 8 out
1792D-8BVT8CD	8 in sink/source, 8 out source, 8 connectors with point-level diagnostics
1792D-12BVT4D	12 in sink/source, 4 out
1792D-0B4D	4 source outputs
1792D-0B8D	8 source outputs
1792D-0VT16E	16 sink outputs

ArmorBlock MaXum I/O Cable Base Options

Cable Base	Description
1792D-CBFM	Cable base, KwikLink flat media
1792D-CB12	Cable base, 12mm round media
1792D-CB18	Cable base, 18mm round media
1792D-CB18P	Cable base, 18mm round media with Auxiliary Power
1792D-CB18PT	Cable base, 18mm round media with Auxiliary Power pass-thru
1792D-CB12JP	Cable base, 12mm round media with DeviceNet Powered Outputs
1792D-CB18JP	Cable base, 18mm round media with DeviceNet Powered Outputs

For more details, refer to publication 1792-TD001B-EN-P ArmorBlock I/O Product Data.

I/O Systems Website:
www.ab.com/io

www.rockwellautomation.com

Corporate Headquarters

Rockwell Automation, 777 East Wisconsin Avenue, Suite 1400, Milwaukee, WI, 53202-5302 USA, Tel: (1) 414.212.5200, Fax: (1) 414.212.5201

Headquarters for Allen-Bradley Products, Rockwell Software Products and Global Manufacturing Solutions

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
Europe: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36-BP 3A/B, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
Asia Pacific: Rockwell Automation, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Headquarters for Dodge and Reliance Electric Products

Americas: Rockwell Automation, 6040 Ponders Court, Greenville, SC 29615-4617 USA, Tel: (1) 864.297.4800, Fax: (1) 864.281.2433
Europe: Rockwell Automation, Brühlstraße 22, D-74834 Elztal-Dallau, Germany, Tel: (49) 6261 9410, Fax: (49) 6261 1774
Asia Pacific: Rockwell Automation, 55 Newton Road, #11-01/02 Revenue House, Singapore 307987, Tel: (65) 351 6723, Fax: (65) 355 1733