



Offering you more flexibility in harsh environments.



ArmorBlock MaXum I/O MaXimum 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 new 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 machinery 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!



Bringing Together Leading Brands in Industrial Automation

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.

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

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ArmorBlock MaXum I/O Module Options

Module	Description
1792D-2BV0D	24V dc with two 12mm connectors, 2 inputs sinking/sourcing
1792D-4BV0D	24V dc with four 12mm connectors, 4 inputs sinking/sourcing
1792D-16BVT0D	24V dc with eight 12mm connectors, 16 inputs sinking/sourcing
1792D-2BVA2D	24V dc with four 12mm connectors, 2 inputs sinking/sourcing with alarm, 2 outputs
1792D-4BVT4D	24V dc with four 12mm connectors, 4 inputs sinking/sourcing, 4 outputs
1792D-8BVT8D	24V dc with eight 12mm connectors, 8 inputs sinking/sourcing, 8 outputs

ArmorBlock MaXum I/O Cable Base Options

Cable Base	Description
1792D-CBFM	Cable base, KwikLink DeviceNet flat media
1792D-CB12	Cable base, 12mm round media
1792D-CB18	Cable base, 18mm round media

For more details, refer to publication 1792-2.1 ArmorBlock I/O Product Data.

I/O Systems Web Site:
www.ab.com/io_systems

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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.

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