Step 3 - Select:

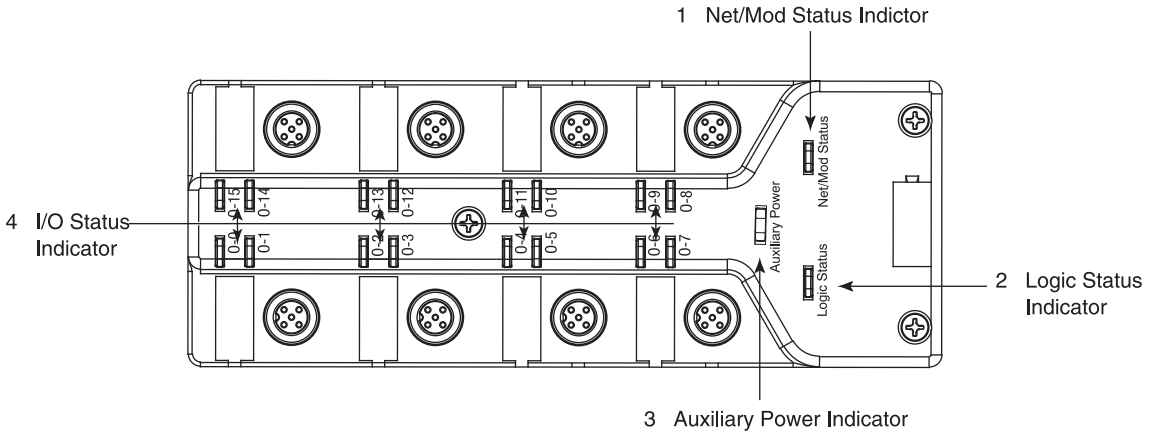
- *diagnostics and local control needed*
- *mounting dimensions to consider*
- *cables*

ArmorBlock I/O Diagnostics and Mounting Dimensions

Diagnostics and Status Indicators

Each ArmorBlock family I/O module has indicators to provide a diagnostic readout. The following examples use a generic module to show where the indicators are located on each module.

1792D ArmorBlock MaXum I/O



1792D ArmorBlock MaXum I/O Status Indicators

	Indicator Type	Indicates
1	Net/Mod Status	• power on/off • normal operation/needs commissioning • recoverable/unrecoverable fault online/offline • online/offline • online connected/no connections • failed communications
2	Logic Status	• enabled/disabled • local forces applied
3	Auxiliary Power Status	• auxiliary power availability
4	I/O Status	• output energized/not energized • output no load or shorted auto restart • output no load or shorted latching • input valid/not valid • input connector short • input connector off-wire

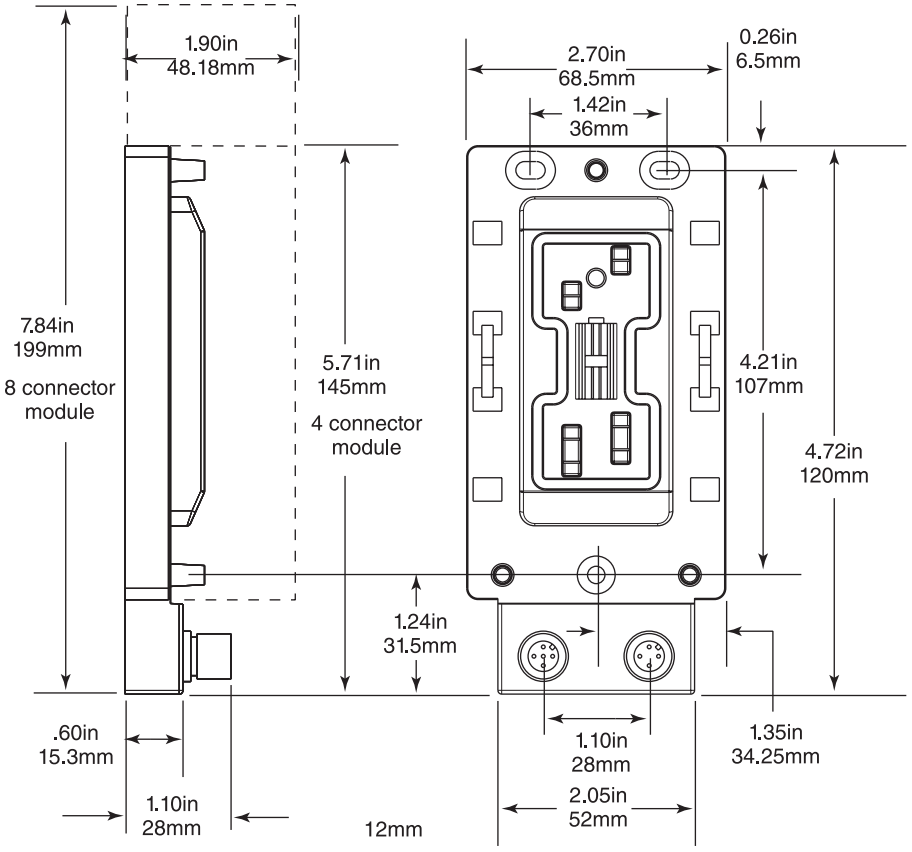
Mounting

The ArmorBlock family modules can be mounted directly to a machine or device. Preferred mounting position is with the micro connectors pointing down; however, the block can be mounted in any orientation.

ArmorBlock MaXum I/O

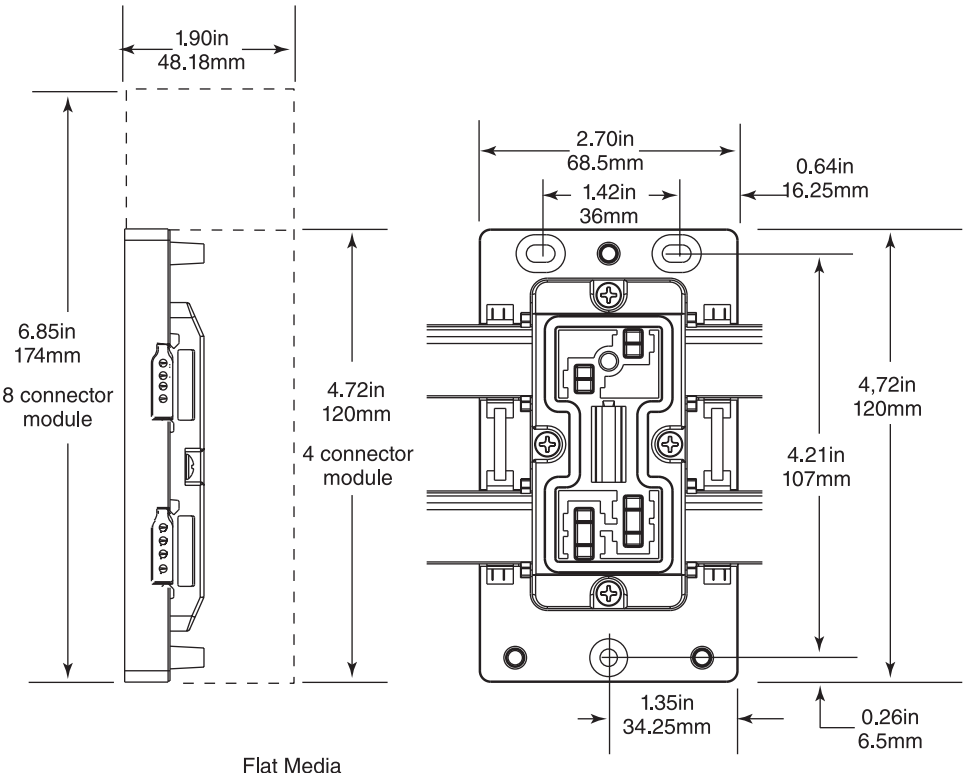
ArmorBlock MaXum modules are mounted on a cable base. The 1792D-CB12 base accomodates all MaXum modules and supports connection to standard DeviceNet network and auxiliary power with 12 mm drop cables.

1792D-CB12 ArmorBlock MaXum 12 mm base



The 1792D-CBFM base is used in conjunction with the KwikLink media system and supports all MaXum modules.

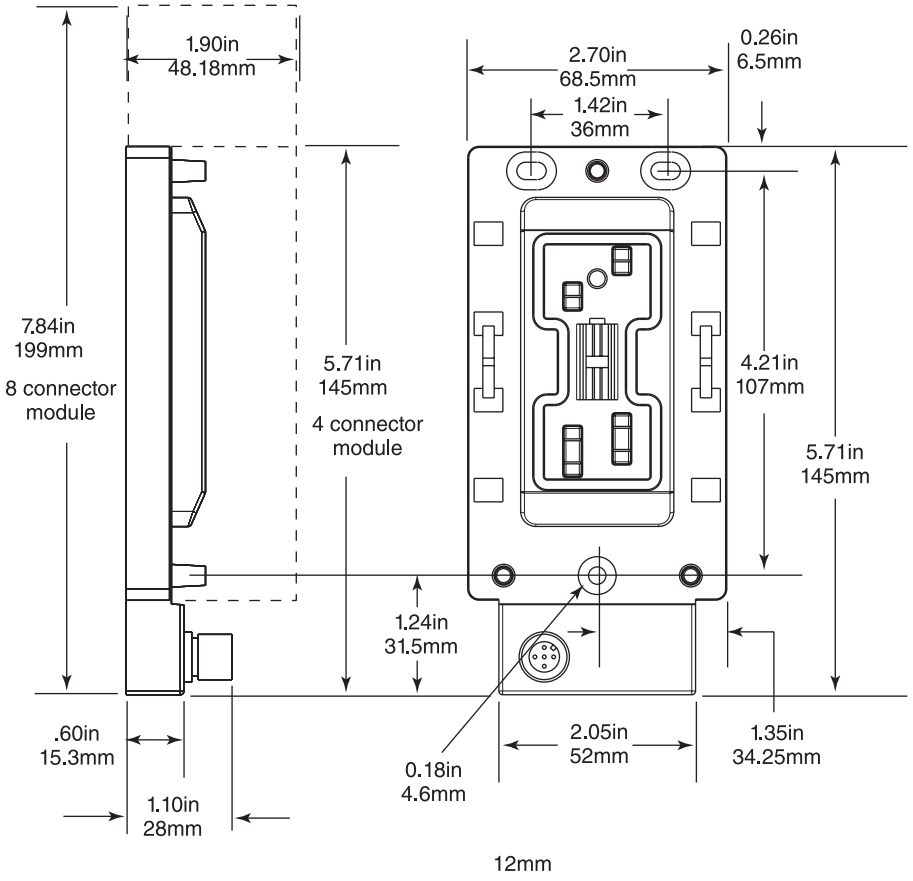
1792D-CBFM ArmorBlock MaXum Flat Media Base



Flat Media

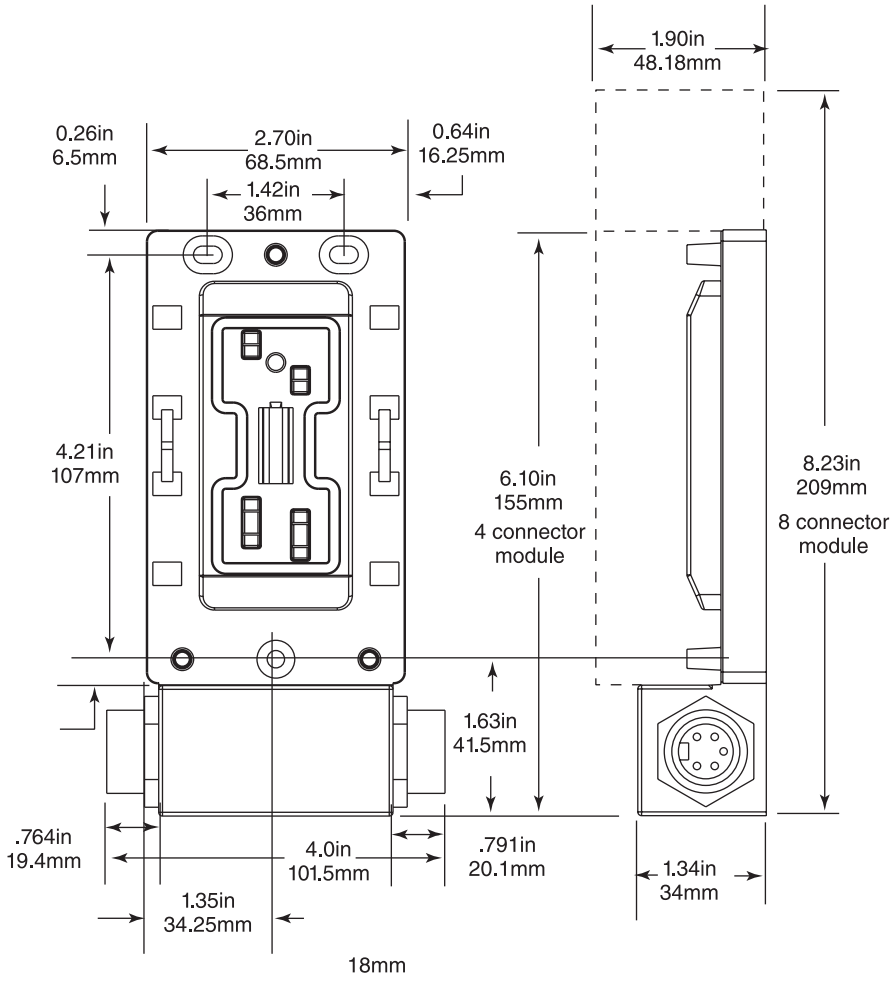
The 1792D-CB12JP cable base accommodates all ArmorBlock MaXum modules but should only be used with modules that have outputs drawing less than 50 mA. This base has only a 5-pin DeviceNet connector. DeviceNet power is transferred to the output power pins so that outputs attached to a MaXum module on this base get their power from the network.

1792D-CB12JP ArmorBlock MaXum 12 mm Base



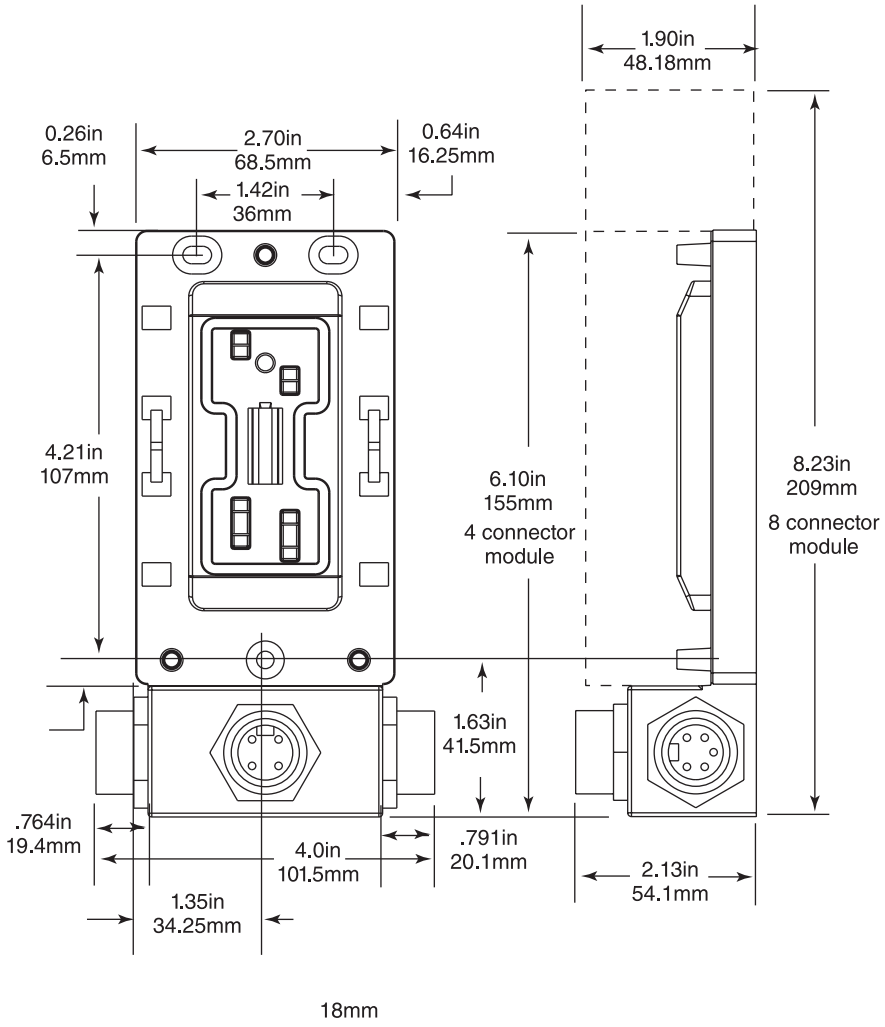
The 1792D-CB18 ArmorBlock MaXum base supports connection to DeviceNet network 18 mm drop cables and accommodates MaXum modules that are input only.

1792D-CB18 ArmorBlock MaXum 18 mm Base

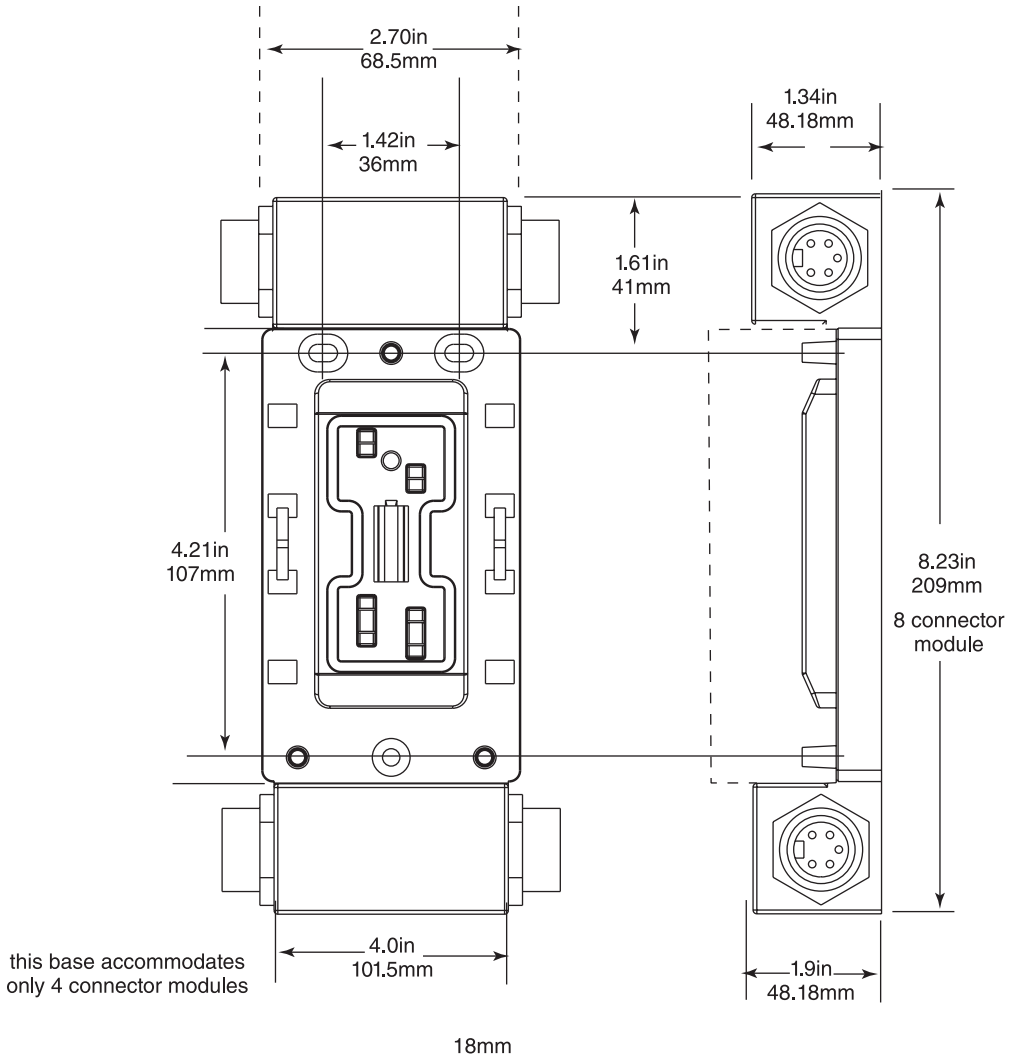


You can also order the 1792D-CB18P, -CB18PT, and -CB18JP bases that provide auxiliary output power connections. The 1792D-CB18P accommodates 8-connector MaXum modules with outputs while the 1792D-CB18PT accommodates 4-connector MaXum modules with outputs. The 1792D-CB18JP accommodates 4- and 8-connector MaXum modules *and* allows DeviceNet to power module outputs.

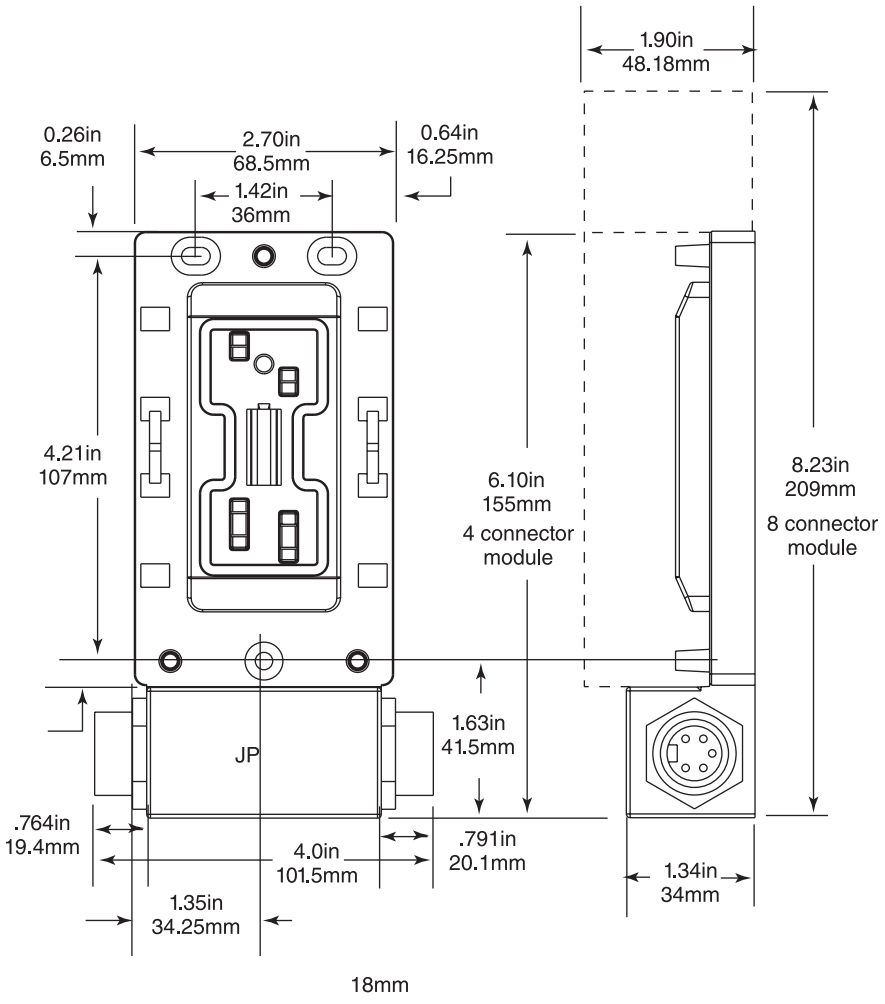
1792D-CB18P ArmorBlock MaXum 18 mm Base



1792D-CB18PT ArmorBlock MaXum 18 mm Base



1792D-CB18JP ArmorBlock MaXum 18 mm Base



The ArmorBlock MaXum module plugs into the base module. The following drawing shows an 8 input/8 output module (1792D-8BVT8D) on a flat media base (1792D-CBFM).

ArmorBlock MaXum I/O with Flat Media Base