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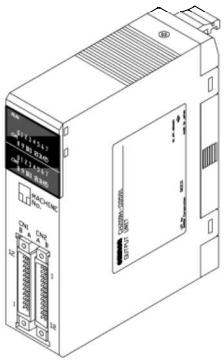
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Find the *OMRON C200H-MD115* at our website: *Click HERE*



C200H-MD115
C200H-MD215
C200H-MD501

General Information

The high-density/multiplex mixed Input/Output modules let you pack more I/O points into a single I/O slot for greater space savings. Treated as Special I/O modules, they do not use standard I/O points. Thus, they increase the overall I/O capacity.

In static high-density mode, they provide 16 discrete input points and 16 discrete output points with selectable input response times of 2.5 ms or 15 ms. For even shorter input signals, 8 inputs can be designated as quick-response inputs, to receive selectable 1 ms or 4 ms signals. In this mode, the modules can also be used with Omron's I/O Blocks, reducing wiring between control panels as well as within control panels.

In dynamic multiplex input mode, the modules provide 128 dynamic input points. In this mode they can be used with keyboards, thumbwheel switches, etc.

Features

- Provide 16 inputs and 16 outputs per module in static mode; 128 inputs in dynamic mode
- Easy cable connection to I/O block
- Selectable input response time
- Up to 10 Special I/O modules per PLC
- Provide interface to keyboards, thumbwheel switches, etc. in dynamic mode

Specifications (Static High-density Setting), Input Side (CN2)

Part number		C200H-MD115	C200H-MD215	C200H-MD501
Mounting		CPU Rack: Yes Expansion I/O Rack: Yes Remote I/O Rack: Yes	CPU Rack: Yes Expansion I/O Rack: Yes Remote I/O Rack: Yes	CPU Rack: Yes Expansion I/O Rack: Yes Remote I/O Rack: Yes
Input voltage		12 VDC +10%/-15%	24 VDC ±10%	5 VDC ±10%
No. of inputs (per common)		16 pts (8 pts/com, 2 circuits) 8 quick-response points available	16 pts (8 pts/com, 2 circuits) 8 quick-response points available	16 pts (8 pts/com, 2 circuits) 8 quick-response points available
Input current		4.1 mA, typical	4.1 mA, typical	3.5 mA, typical
Operating voltage	ON	8.0 VDC min.	14.4 VDC min.	3.0 VDC min.
	OFF	3.0 VDC max.	5.0 VDC max.	1.0 VDC max.
Input response time	ON	2.5 ms max./15 ms max. (selectable)	2.5 ms max./15 ms max. (selectable)	2.5 ms max./15 ms max. (selectable)
	OFF	2.5 ms max./15 ms max. (selectable)	2.5 ms max./15 ms max. (selectable)	2.5 ms max./15 ms max. (selectable)
External connections		Connector	Connector	Connector
Input device requirement		Sinking (NPN) or sourcing (PNP)	Sinking (NPN) or sourcing (PNP)	Sinking (NPN) or sourcing (PNP)
Manual		Included in C200H Installation Guide: W111		

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Specifications (Static High-density Setting), Output Side (CN1)

Part number		C200H-MD115	C200H-MD215	C200H-MD501
Max. load current		16 mA 4.5 VDC to 100 mA 26.4 VDC/pt, 800 mA/common, 1.6 A/module	16 mA 4.5 VDC to 100 mA 26.4 VDC/pt, 800 mA/common, 1.6 A/module	35 mA/pt, 280 mA/common, 560 mA/module
Rated load voltage		5 to 24 VDC ±10%	5 to 24 VDC ±10%	5 VDC ±10%
No. of outputs (per common)		16 pts (8 pts/com, 2 circuits)	16 pts (8 pts/com, 2 circuits)	16 pts (8 pts/com, 2 circuits)
Residual voltage		0.7 V max.	0.7 V max.	0.4 V max.
Output response times	ON	0.2 ms max.	0.2 ms max.	0.2 ms max.
	OFF	0.6 ms max.	0.6 ms max.	0.3 ms max.
External connections		Connector	Connector	Connector
Leakage current		0.1 mA max.	0.1 mA max.	0.1 mA max.
Fuse		1 fuse/circuit, 2 circuits (not user-replaceable)		
External power supply		5 to 24 VDC, 45 mA min.	5 to 24 VDC, 45 mA min.	5 VDC, 20 mA min.
Operation		Sinking (NPN)	Sinking (NPN)	Sinking (NPN)

Specifications (Dynamic Multiplex Setting); Input Only

Part number		C200H-MD115	C200H-MD215	C200H-MD501
Input voltage		12 VDC +10%/-15%	24 VDC ±10%	5 VDC ±10%
No. of inputs (per common)		128 pts (64 pts/com, 2 circuits)	128 pts (64 pts/com, 2 circuits)	128 pts (64 pts/com, 2 circuits)
Input current		4.1 mA, typical	4.1 mA, typical	3.5 mA, typical
Operating voltage	ON	8.0 VDC min.	14.4 VDC min.	3.0 VDC min.
	OFF	3.0 VDC max.	5.0 VDC max.	1.0 VDC max.
External connections		Connector	Connector	Connector
Input device requirement		Sinking (NPN)	Sinking (NPN)	Sinking (NPN)

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