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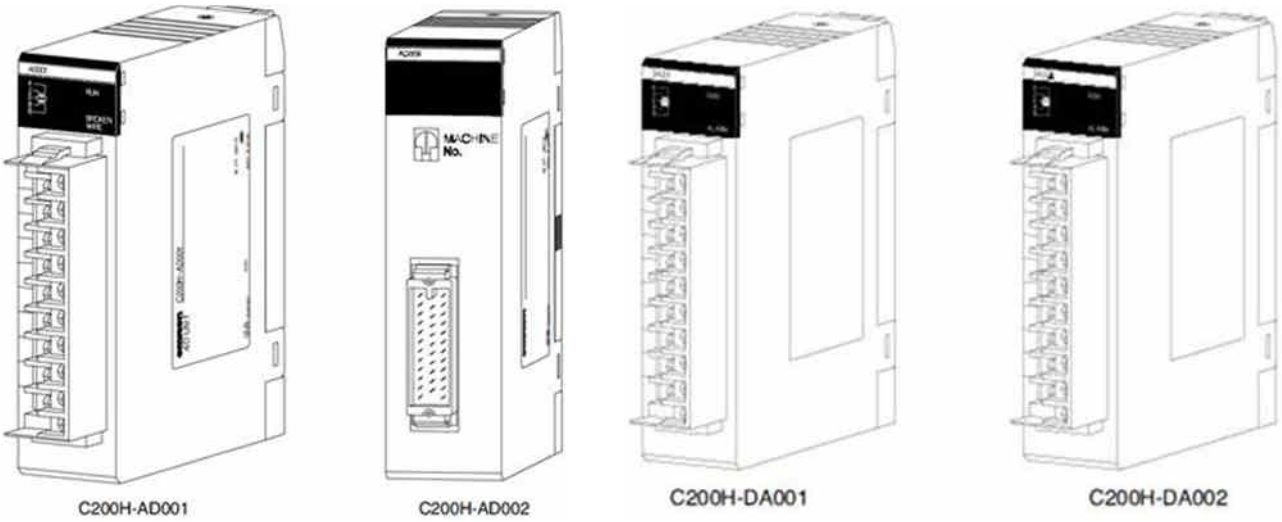
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Find the *OMRON C200H-AD001* at our website: ***Click HERE***

C200H-AD001, C200H-AD002 , C200H-DA001, C200H-DA002 C200H-TM001

OMRON

SYSMAC - System C200H Special I/O Modules – Analog Input / Output Modules



Presented by - MRO Electric and Supply Company, Inc.

For Product Needs:

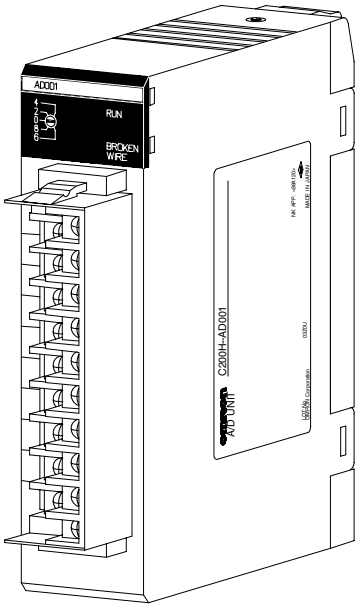
Email: *sales@MROELECTRIC.COM*

Call: ***1-800-691-8511*** *Fax:* ***919-415-1614***

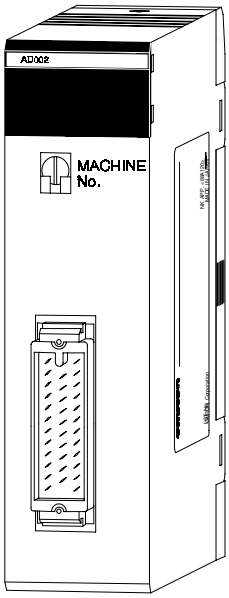
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Analog Input Modules
C200H-AD001, C200H-AD002



C200H-AD001



C200H-AD002

General Information

Analog I/O Modules provide an interface to a variety of analog signals including both voltage and current ranges. Both input and output versions are available in a variety of densities.

Features

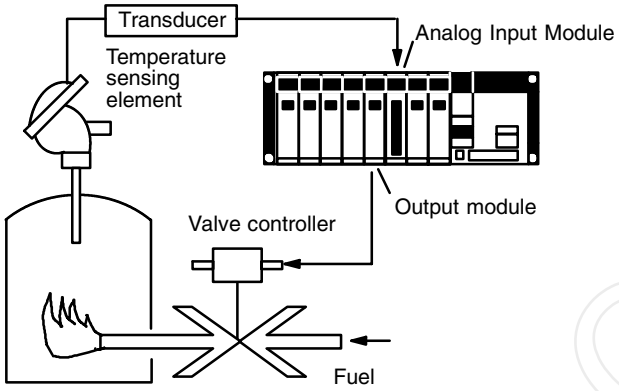
- Cost-effective single-slot modules available with 4 or 8 analog inputs
- Opto-isolated input reliability
- 12-bit resolution
- Selectable ranges include 1 to 5 V, 0 to 10 V, and 4 to 20 mA

Specifications

Part number		C200H-AD001	C200H-AD002
Number of points		4	8
Signal ranges	Voltage	1-5 VDC or 0-10 VDC	1-5 V, 0-10 V, -10 to +10 V
	Current	4-20 mA	4-20 mA
Intelligent functions		Input conversion	Input conversion, scaling, average, Peak hold, BCD, Upper and Lower limit alarm
Resolution		12-bit	12-bit
Accuracy		±1.0% maximum full scale, at 0°C –55°C ±0.1% maximum linearity error	±0.6% maximum full scale, at 0°C –55°C, for voltage input ±0.1% maximum linearity error
A/D conversion time		2.5 ms maximum/point	2.5 ms maximum/point
Input impedance	Voltage	1 MΩ minimum	1 MΩ minimum
	Current	250Ω	250Ω
Manual		W127	W229

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Typical Application

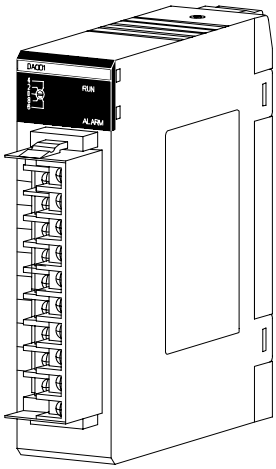


Furnace Control with Analog Input

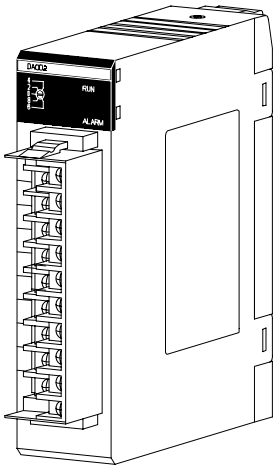
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Analog Output Module
C200H-DA001, C200H-DA002



C200H-DA001



C200H-DA002

General Information

Analog I/O Module provides an interface to a variety of analog devices that accept voltage and current ranges.

Features

- Cost-effective single-slot module offers two or four analog outputs
- Selectable ranges include 1 to 5 V, 0 to 10 V, -10 to +10 V, and 4 to 20 mA

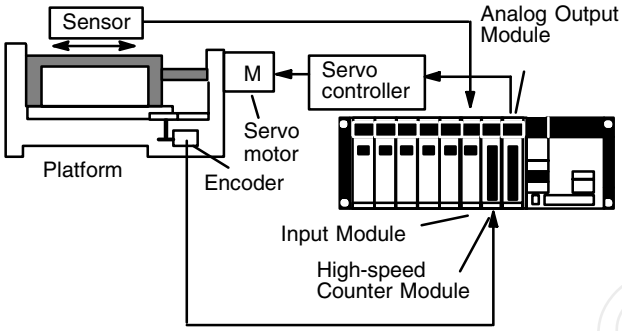
Specifications

Part number		C200H-DA001	C200H-DA002
Number of output points		2	4
Signal ranges	Voltage	1 to 5 V, 0 to 10 V	-10 to +10 V
	Current	4 to 20 mA	4 to 20 mA
Intelligent functions		Output limit, upper and lower limit alarms, pulse output	–
Resolution	Voltage	12-bit	13-bit
	Current	12-bit	12-bit
Accuracy		±1.0% maximum full scale, at 0°C -55°C	±1.0% maximum full scale, at 0°C -55°C
A/D conversion time		2.5 ms maximum/point	2.5 ms maximum/point
Input impedance	Max. Load	400 Ω	350 Ω
	Max. Load Current	15 mA	10 mA
Manual		W127	W260

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Typical Application

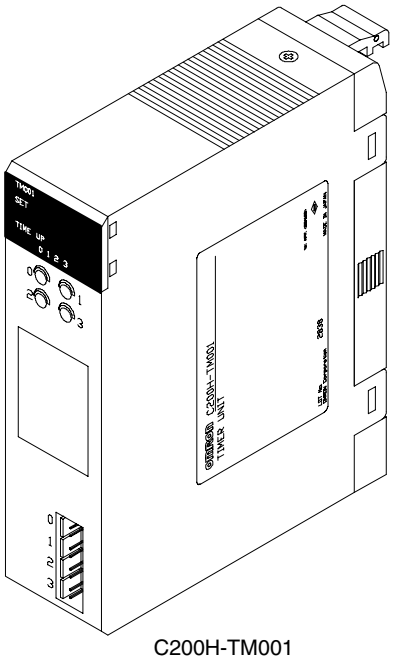


Position Control with Analog Output

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Analog Timer Input Module
C200H-TM001



C200H-TM001

General Information

The analog timer module lets the user adjust timer values without going into the program. The module has four independently set and monitored timers that each have variable ranges. The user may select, by DIP switch, for each point to use front panel variable resistor or external variable resistors. Through internal bit allocation, each timer can be started and paused, allowing for them to be used as cumulative timers.

Features

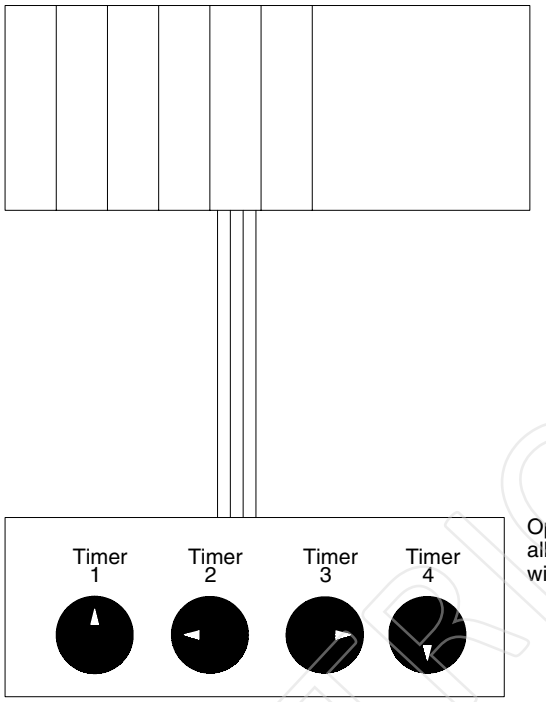
- Four front panel variable resistors are used to set the timers
- Connections available for external variable resistors
- Indicators show operation and time-up status
- Cumulative timer available using pause bits

Specifications

Part number	C200H-TM001
Number of timers	4
Time setting range (DIP switch selectable)	Use the DIP switches to set any of the following 4 ranges: 0.1 to 1 second (typical) 1 to 10 seconds (typical) 10 to 60 seconds (typical) 1 to 10 minutes (typical)
Indicators	SET and TIME UP
Timer pause function	Timing can be paused if specified by program. The timers can be used as cumulative timers.
External variable resistor	External variable resistors can be used to set the time value when the IN/EXT selector is set to EXT.
Manual	C200H Installation Guide: W111

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Typical Application



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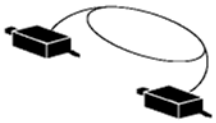
System Configuration

CPU Racks



8-slot Rack (Example)

C200H-CN 1



Connect with C200H-CN 1 I/O Connecting Cable

Connects the CPU Rack to one or more Expansion I/O Racks. Cables are available in 0.3, 0.7, 2, 5 and 10 m lengths.

Expansion I/O Racks



8-slot Rack (Example)

Up to two Expansion I/O Racks can be connected to each CPU Rack.

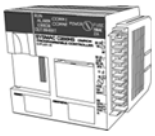
Slave Racks



8-slot Rack (Example)

One or more Slave Racks can be connected via optical or wire cable to a Remote I/O Master Module mounted on either a CPU or Expansion I/O Rack. Up to five Slave Racks can be connected per CPU Rack.

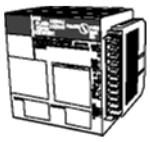
CPUs



C200HS-CPU31

CPUs with Communications

100/200 VAC: C200HS-CPU31-E, C200H-CPU31-E
24 VAC: C200HS-CPU33-E



C200HS-CPU21-E

Standard CPUs

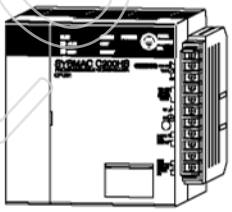
100/200 VAC: C200HS-CPU01/21-E, C200H-CPU01/21-E
24 VAC: C200HS-CPU03/23-E, C200H-CPU03/23-E

CPU Memory

C200H
- RAM C200H-MR
- EPROM C200H-ME 1
- EEPROM C200H-ME 2

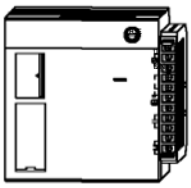
C200HS
- EPROM C200HS-MP16K
- EEPROM C200HS-ME16K

I/O Power Supplies



100/200 VAC: C200H-PS221
24 VAC: C200H-PS211

Remote I/O Slave Modules

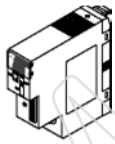


100/200 VAC
- Optical: C200H-RT001-P
- Wired: C200H-RT201

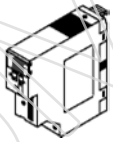
24 VAC
- Optical: C200H-RT002-P
- Wired: C200H-RT202

Communications Modules

SYSMAC Link Modules
C200HS-SLK12/22



SYSMAC Net Modules
C200HS-SNT32



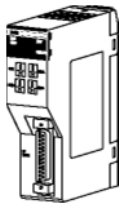
Link Modules

Host Link Modules

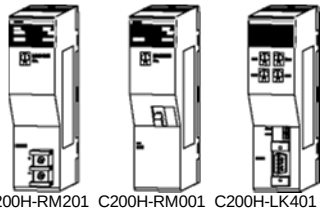
Optical: C200H-LK101-PV1

RS-422: C200H-LK202-V1

RS-232C: C200H-LK201-V1



Remote I/O Master Modules **PC Link Modules**



C200H-RM201 C200H-RM001 C200H-LK401

Interrupt Input Module

The interrupt function of this Module is available only when it is mounted to the CPU Rack (see note). When mounted to an Expansion Rack, the Module can be used only as a Standard I/O Module.

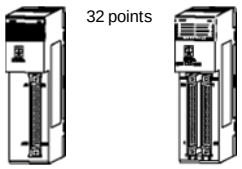


C200HS-INT01

High-Density I/O Modules

(Group-2 Modules)

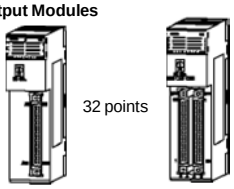
Input Modules



32 points 64 points

C200H-ID□□□

Output Modules



32 points 64 points

C200H-OD□□□

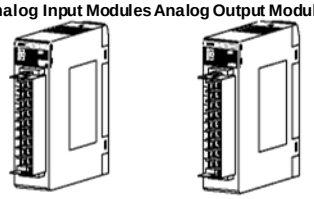
Note: Only one Interrupt Input Module can be used with a CPU.

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System Configuration

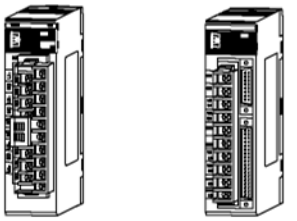
Special I/O Modules

Analog Input Modules **Analog Output Modules**



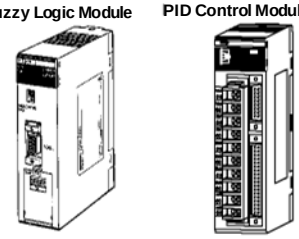
C200H-AD001/002 C200H-DA001

Temperature Sensor Modules **Temperature Control Modules**



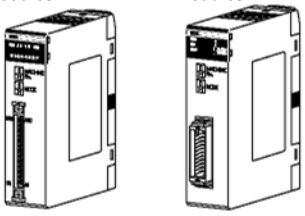
C200H-TSLLL C200H-TCLLL

Fuzzy Logic Module **PID Control Modules**



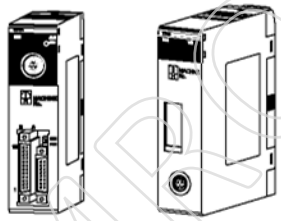
C200H-FZ001 C200H-PIDLL

High Speed Counter Modules **Position Control Modules**



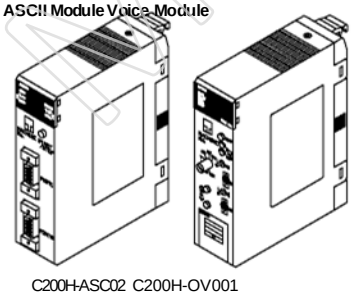
C200H-CTLLL C200H-NCLLL

Cam Position Modules **ID Sensor Module**



C200H-CP114 C200H-IDSLL

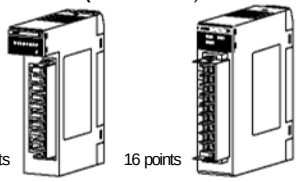
ASCII Module Voice Module



C200H-ASC02 C200H-OV001

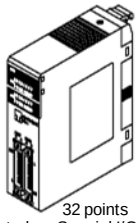
I/O Modules

Input Modules (C200H-ILLLL)



8 points 16 points

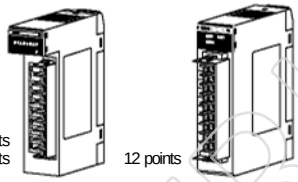
(AC, DC, AC/DC, transistor inputs)



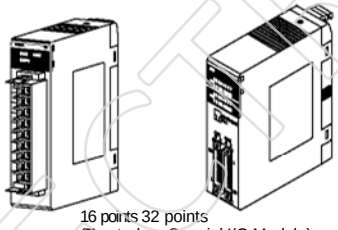
32 points

(Treated as Special I/O Module)

Output Modules (C200H-OLLLL)



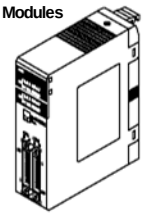
5 points 8 points 12 points



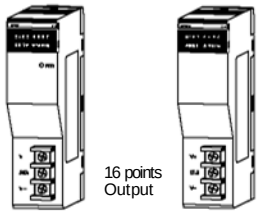
16 points 32 points

(Treated as Special I/O Module)

DC Input/Transistor Output Modules C200H-MDLLL (16 inputs and 16 outputs; treated as Special I/O Module.)



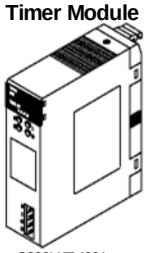
B7A Interface Modules



16 points Input 16 points Output

C200H-B7AI1 C200H-B7AO1

Analog Timer Module

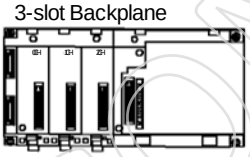


C200H-TM001

Backplanes

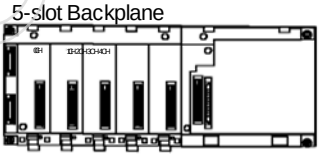
The same Backplanes are used for CPU, Expansion I/O, and Slave Packs.

3-slot Backplane



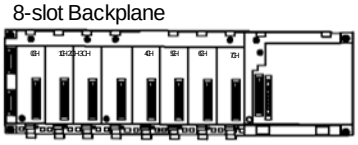
C200H-BC031-V2

5-slot Backplane



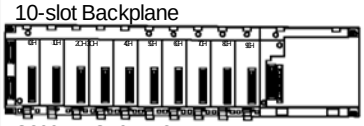
C200H-BC051-V2

8-slot Backplane



C200H-BC081-V2

10-slot Backplane



C200H-BC101-V2

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