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# OMRON®

## SYSMAC Remote Master Modules

**C200H-RM□01**

### Wired and Fiber-optic Remote I/O Systems Match Your Distance Needs

- Wired remote I/O systems offer up to 200 m maximum distance using shielded twisted pair wire, Belden #9271 or equivalent
- Fiber-optic remote I/O systems prevent electrical noise from fouling long-distance communication signals
- Transmission distance with fiber-optic cables depends on core material: 20 m for all plastic; 200 m for plastic clad
- Master modules connect to slave racks or remote I/O relay or transistor blocks



### Ordering Information

#### ■ WIRED REMOTE I/O SYSTEM

Classification	Description	Specification	Part number
Remote master	For CS1, C200H, C200H Alpha systems	Use up to 2 masters per CPU	<b>C200H-RM201</b>
Transmission line	Shielded twisted pair cable	Belden #9271 or equivalent	Commercially available

#### ■ FIBER-OPTIC REMOTE I/O SYSTEM

Classification	Description	Specification	Part number
Remote master	For CS1, C200H, C200H Alpha systems	Use up to 2 masters per CPU	<b>C200H-RM001-PV1</b>
Transmission media	APF (all plastic) fiber-optic cable (user must assemble connectors)	20 m (65 ft), without connectors	<b>B500-PF212</b>
	Connectors, brown (includes 2)	For cables 0 to 10 m length	<b>3G5A2-CO001</b>
	Connectors, black (includes 2)	For cables 8 to 20 m length	<b>3G5A2-CO002</b>
	HPCF (plastic clad) fiber-optic cable, indoor/outdoor use (user must assemble connectors)	50 m (164 ft)	<b>FCS-HCR-LB-501</b>
		100 m (328 ft)	<b>FCS-HCR-LB-102</b>
		500 m (1640 ft)	<b>FCS-HCR-LB-502</b>
		1 km (3280 ft)	<b>FCS-HCR-LB-103</b>
	Zipcord style, orange, without connectors	50 m (164 ft)	<b>FCS-HCR-CO-501</b>
Connectors for SYSMAC BUS	Order two, one for each end	<b>S3200-COCH82</b>	
Termination kit for HPCF cable	---	<b>FCS-CAK6230-US</b>	

#### ■ REMOTE SLAVE RACKS

For part numbers and configuration information, refer to the CS1 or C200H Alpha Programmable Controller Catalogs, or *C-Series Wired Remote I/O Manual (W120)* or *C-Series Fiber-optic Remote IO Manual (W136)*.

**C200H-RM□01**

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## Specifications

### ■ COMMUNICATIONS SPECIFICATIONS

<b>Communications method</b>		Half-duplex
<b>Coding method</b>		Manchester coding method
<b>Connection method</b>		RS-485
<b>Communications baud rate</b>		187.5 kbps
<b>Communications cable</b>		C200H-RM201: 2-conductor cable: Belden #9271 or VCTF (JIS L3306) C200H-RM001: Fiber-optic cable: all plastic or hard plastic clad fiber media
<b>Communications distance</b>	<b>Wired</b>	Belden #9271 or VCTF cable: 200 m (656 ft)
	<b>Fiber-optic</b>	All plastic fiber (APF): 20 m (65.6 ft) Hard plastic fiber (HPCF): 200 m (656 ft)
<b>Max. number of connecting nodes</b>		32 (512 words max.)
<b>Error control checks</b>		Manchester code check, frame length check, and parity check

### ■ MODULE SPECIFICATIONS

<b>Current consumption</b>	C200H-RM201 wired master: 0.25 A C200H-RM001 fiber-optic master: 0.2 A
<b>Number of I/O points</b>	512 max.
<b>Number of occupied words</b>	512 max.
<b>Omron PLC model</b>	CS1, C200HX (-ZE), C200HG (-ZE), C200HE (-ZE), C200HS
<b>Max. number of Slaves per Master</b>	32
<b>Approved standards</b>	UL 508 (E95399), CSA C22.2 No. 142 (LR51460)

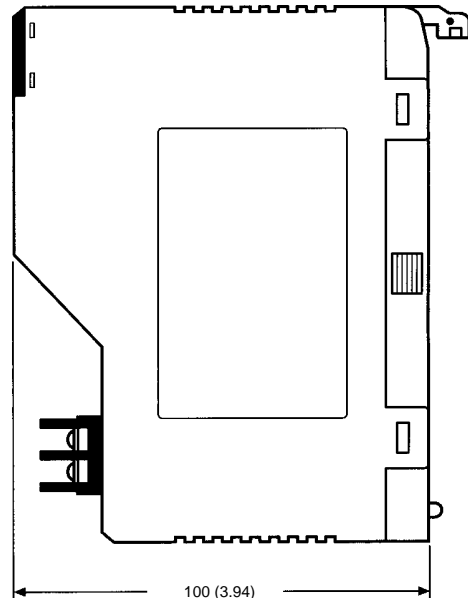
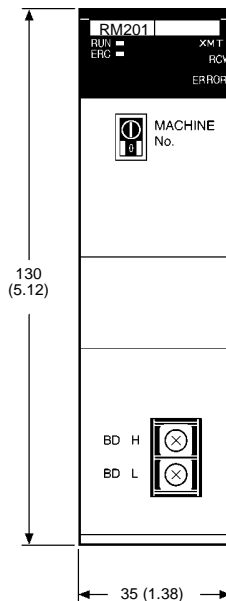
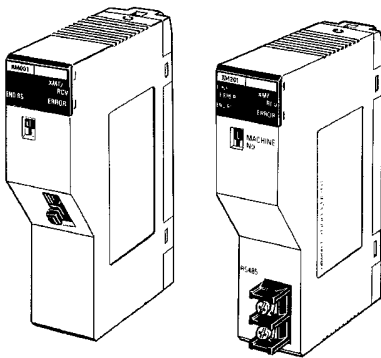
Note: For detailed specifications on wired or fiber-optic SYSMAC BUS systems, refer to the following manuals:

C-Series Wired Remote I/O            W120  
 C-Series Fiber-optic Remote I/O    W136

## Dimensions

Unit: mm (inch)

**C200H-RM001-PV1 C200H-RM201**



Note: Refer to the C200HX, C200HG, C200HE, C200HS, or CS1 Operation Manual for details on the dimensions when the Master Module is installed in the PLC Backplane.



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Datasheet of 3G5A2-CO001 - CONN FIBER OPT REMOTE BROWN 2/PK

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**NOTE: DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters to inches divide by 25.4.**

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