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	**C200H-RM201**
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	**C200H-RM001-PV1**
Transmission media	APF (all plastic) fiber-optic cable (user must assemble connectors)	20 m (65 ft), without connectors	**B500-PF212**
	Connectors, brown (includes 2)	For cables 0 to 10 m length	**3G5A2-CO001**
	Connectors, black (includes 2)	For cables 8 to 20 m length	**3G5A2-CO002**
	HPCF (plastic clad) fiber-optic cable, indoor/outdoor use (user must assemble connectors)	50 m (164 ft)	**FCS-HCR-LB-501**
		100 m (328 ft)	**FCS-HCR-LB-102**
		500 m (1640 ft)	**FCS-HCR-LB-502**
		1 km (3280 ft)	**FCS-HCR-LB-103**
	Zipcord style, orange, without connectors	50 m (164 ft)	**FCS-HCR-CO-501**
	Connectors for SYSMAC BUS	Order two, one for each end	**S3200-COCH82**
	Termination kit for HPCF cable	---	**FCS-CAK6230-US**

■ 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).

Specifications

■ COMMUNICATIONS SPECIFICATIONS

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

■ MODULE SPECIFICATIONS

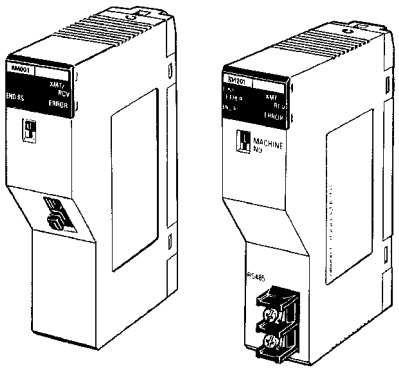
Current consumption	C200H-RM201 wired master: 0.25 A C200H-RM001 fiber-optic master: 0.2 A
Number of I/O points	512 max.
Number of occupied words	512 max.
Omron PLC model	CS1, C200HX (-ZE), C200HG (-ZE), C200HE (-ZE), C200HS
Max. number of Slaves per Master	32
Approved standards	UL 508 (E95399), CSA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

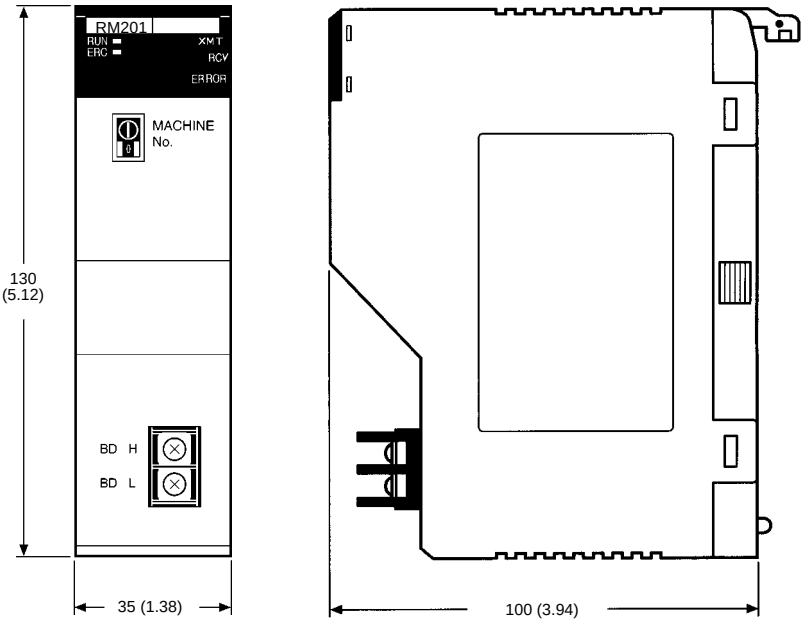
Note: For detailed specifications on wired or fiber-optic SYSMAC BUS systems, refer to the following manuals:
C-Series Wired Remote I/O W120
C-Series Fiber-optic Remote I/O W136

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.

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

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Omron:
C200H-RM201 3G5A2-CO001 3G5A2-CO002 B500-PF212 C200H-RM001-PV1 FCS-HCR-CO-501 FCS-HCR-LB-103