

CMC10A

Communication Controller CC-Link / CPL Converter

The CMC10A Communication Controller is a converter used for communications between Yamatake digital indicating controllers and Mitsubishi Control & Communication Link (CC-Link) systems without programming. This communication controller automatically acquires data from digital indicating controllers connected at a lower level, and continually refreshes the data between the CC-Link master unit and the CMC10A. This greatly reduces the software production load.



Specifications

CC-Link (HOST↔ CMC)	Communications system	Broadcast polling
	Synchronization	Frame synchronization
	Transmission line	Bus type (conforms with RS-485 3-wire system)
	Transmission speed	10/5/2.5Mbps, 625/156kbps
	Station type	Remote device station
	No. of occupied stations	4 stations
	Product type	Temperature controller (8CH or 16CH type selectable by setup)
	Station number	1 to 64 (first station No.: 1 to 61)
	Max. transmission distance	Transmission speed (bps) / total distance: 10M/100m, 5M/150m, 2.5M/200m, 625k/600m, 156k/1200m
	Max. number of connected stations	64 (however, the following conditions must be satisfied: (1 x a) + (2 x b) + (3 x c) + (4 x d) ≤ 64 . . . (1) a: Number of modules occupying 1 station b: Number of modules occupying 2 stations c: Number of modules occupying 3 stations d: Number of modules occupying 4 stations (16 x A) + (54 x B) + (88 x C) ≤ 2304 . . . (2) A: Number of remote I/O stations ≤ 64 B: Number of remote device stations ≤ 42 C: Number of local stations, standby master stations, intelligent device stations ≤ 26
	Cable	CC-Link dedicated cable
CPL (CMC↔ LOCAL)	Transmission mode	Half duplex
	Synchronization	Asynchronous (start/stop synchronization)
	Transmission line	Bus type (conforms with RS-485 3-wire type)
	Transmission speed	9600bps
	Transmission distance	Max. 500m
	Max. No. of connected units	16 units (max. 16 CH)
	Station address	1 to 127
	Loader communications	CMC
	Power	24Vdc
	Power consumption	5W
	Ambient temperature	0 to 50°C
	Ambient humidity	30 to 80% RH
	Mounting	Screw or DIN rail mounting
	Mass	300g

Selection Guide

Model No.	Description
CMC10ACL1A000	Communication controller CC-Link / CPL converter

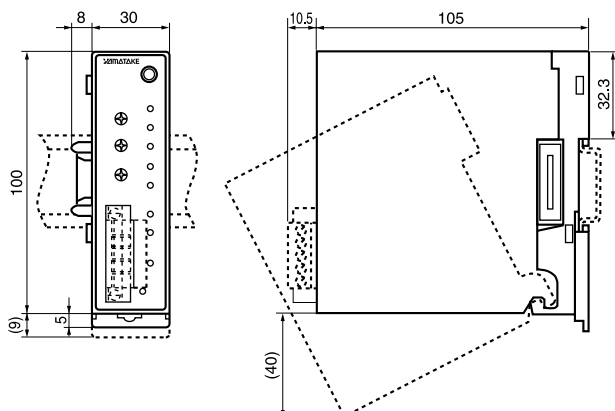
Accessories (sold separately)

Model No.	Description
81440792-001	Connector set (4 units/set)
81440793-001	Dedicated interface cable
81446717-001	Terminating resistor (110Ω) (2 units/set)
81446717-002	Terminating resistor (130Ω) (2 units/set)

Dimensions

(Unit: mm)

• DIN rail mounting



• Screw mounting

