

CC-Link communication converter

COM-MC

Connect your SRZ modules , FZ / GZ / FB Series to

CC-Link

Used to connect our SRZ series (Z-TIOA/B, Z-DIO-A) ,
FZ series (FZ110/FZ400/FZ900) , GZ series (GZ400/GZ900)
and FB series (FB100/FB400/FB900) to the CC-Link network.



Example of Connection

MITSUBISHI MELSEC



CC-Link



Controllers

SRZ Series



Z-TIO-A/B : Max. 16 Units
Z-DIO-A : Max. 8 Units

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FZ/GZ Series (FB Series compatible settings)

(The diagram is explained using the FZ400)



..... Max. 31 Units

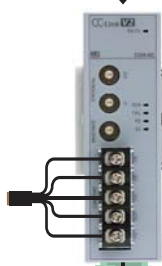
FB Series

(The diagram is explained using the FB400)



..... Max. 31 Units

COM-MC



RS-485
MODBUS

RS-485 MODBUS

RS-485
MODBUS

RS-485 MODBUS



Main specification

CC-Link communication

Protocol: CC-Link Ver. 2.00/Ver. 1.10
 Communication speed: 156 kbps, 625 kbps, 2.5 Mbps, 10 Mbps
 Communication distance: (SRZ Series):

Number of occupied station/Extended cyclic	Remote Input/Output (RX/RX)	Remote register (RWw/RWw)	Number of CC-Link assignment channels
4 stations occupied 1 time	Input: 128-bit Output: 128-bit	RWw: 16-word RWw: 16-word	8channels or 16channels
4 stations occupied 2 time	Input: 224-bit Output: 224-bit	RWw: 32-word RWw: 32-word	16channels or 32channels
4 stations occupied 4 time	Input: 448-bit Output: 448-bit	RWw: 64-word RWw: 64-word	32channels or 64channels
1 stations occupied 1 time	Input: 32-bit Output: 32-bit	RWw: 4-word RWw: 4-word	1channels or 2channels

Communication distance: (FZ/GZ/FB Series):

Number of occupied station/Extended cyclic	Remote Input/Output (RX/RX)	Remote register (RWw/RWw)	Number of CC-Link assignment channels
4 stations occupied 1 time	Input: 128-bit Output: 128-bit	RWw: 16-word RWw: 16-word	8units or 16units
4 stations occupied 2 time	Input: 224-bit Output: 224-bit	RWw: 32-word RWw: 32-word	16units or 32units
1 stations occupied 1 time	Input: 32-bit Output: 32-bit	RWw: 4-word RWw: 4-word	1units or 2units

Communication distance:

Communication speed	Maximum network length
10Mbps	100m
5Mbps	200m
2.5Mbps	400m
625kbps	900m
156kbps	1200m

Station number: 1 to 61
 (4 stations occupied 1 time, 4 stations occupied 2 times 4 stations occupied 4 times)
 1 to 64
 (1 station occupied 1 time)
 Number of occupied station/extended cyclic and CC-Link version:
 CC-Link Ver. 1.10: 1 station occupied 1 time, 4 stations occupied 1 time
 CC-Link Ver. 2.00: 4 stations occupied 2 times, 4 stations occupied 4 times
 Termination resistor: External installation is necessary
 (Between the DA and DB terminals: 110Ω 1/2W)

Controller communication

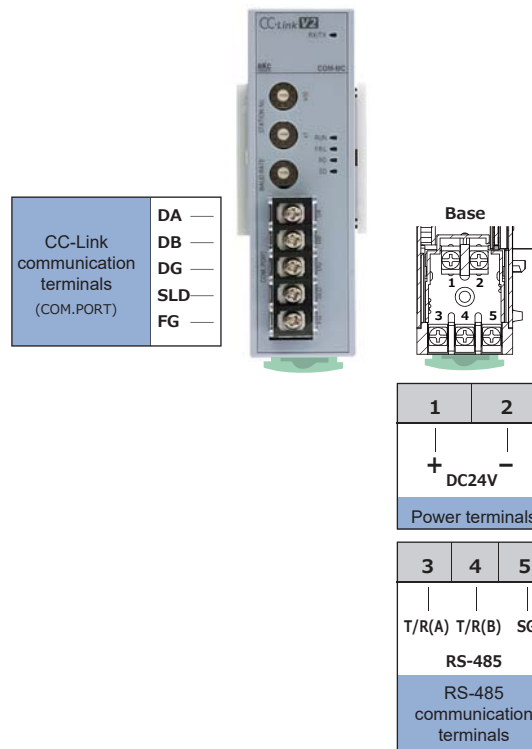
Interface: Base on RS-485, EIA standard (Multi-drop connection is available.)
 Protocol: Modbus-RTU
 Communication speed: 9600 bps, 19200 bps, 38400 bps, 57600 bps*
 *57600 bps: available only FZ/GZ series
 Maximum connections: SRZ series:
 24 units* [Device address setting: 1 to 99]
 *Z-TIO modules: Max.16units, and Z-DIO modules: Max.16units
 FZ/GZ/FB series:
 Max. 31 units [Device address setting: 1 to 99]

General specifications

Power supply voltage: Rating 24 V DC
 Power consumption: 45 mA max. (Power consumption: 150 mA max.)
 Allowable ambient temperature: 0 to 55°C
 Allowable ambient humidity: 5 to 95%RH
 (Absolute humidity: MAX.W.C 29.3 g/m3 dry air at 101.3 kPa)

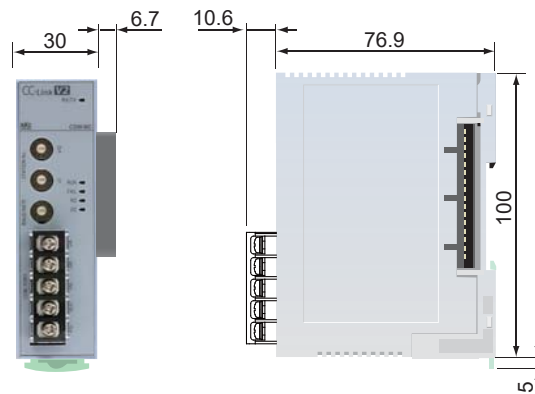
Weight: Approx. 130 g
 Safety standard: UL: UL61010-1
 cUL: CAN/CSA-C22.2 No. 61010-1
 CE marking: LVD: EN61010-1
 OVERVOLTAGE CATEGORYII,
 POLLUTION DEGREE 2,
 Class II (Reinforced insulation)
 EMC: EN61326-1
 RCM: EN55011
 KC mark: KS C 9610-6-2
 KS C 9610-6-4

Terminals Description



External Dimensions

Unit:mm



Model and Suffix Code

Specification	CC-Link communication Converter	COM-MC *	
Available controller	FB Series, FZ/GZ Series(FB Series compatible settings)	01	
	SRZ Series(Z-TIO-A/Z-TIO-B/Z-DIO)	02	
RUN/STOP	0 : RUN 1 : STOP	1	
Logic Selection	0 : STOP 1 : RUN	2	

RKC® RKC INSTRUMENT INC.
 (RIKA KOGYO CO.,LTD)

HEAD OFFICE : 16-6, KUGAHARA 5 CHOME OHTA-KU TOKYO 146-8515 JAPAN
 PHONE : 03-3751-9799 (+81 3 3751 9799)
 Email : info@rkcinstrument.co.jp
 http://www.rkcinstrument.com/