Connect your SRZ modules to Ethernet network

Ethernet MAPMAN Communication Converter
COM-ME-6

SRZ

●Ethernet MAPMAN available!!

(Dedicated PLC communication protocol : Programless)

COM-ME-6 connects SRZ modules seamlessly to your Ethernet network.
Dedicated PLC communication protocol (MAPMAN) allows SRZ to connect to Mitsubishi PLC without programming (Programless).

Example of Connection

Ethernet

● **RKC Loader Communication**
Allows easy setup and data management for Z-TIO/DIO/CT.

Do not use RKC Loader Communication for process control purpose

RKC Loader Communication

COM-ME-6

Z-TIO/DIO/CT

Module management software
PROTEM2

PLC register editing software
Zeal2

Both applications are available at RKC homepage

SRZ

Ethernet MAPMAN
Mitsubishi QnA-compatible 3E frame
SLMP ASCII or Binary

Programless Connection

Connecting up to 30 modules

Max of 14 Z-TIO modules with 16 Z-TIO+Z-CT modules.
or
Max of 16 Z-TIO modules with 14 Z-TIO+Z-CT modules.

Host Communication

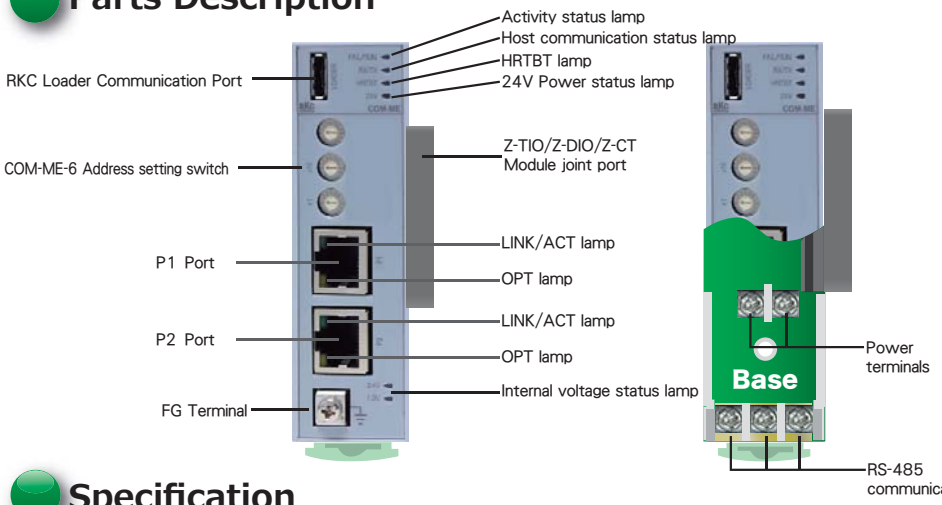
RS-485
RKC communication
or
MODBUS

Temperature Control

SRZ

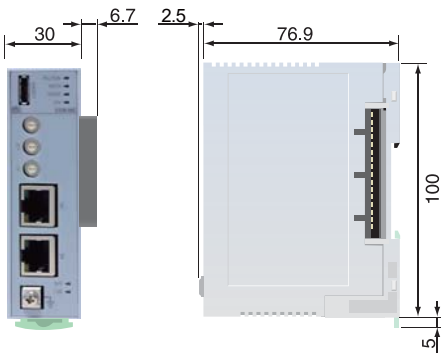
● **Host Commnucation**
While using with touch panel, maintenence can be easily operated via host communication.

Parts Description



External Dimensions

Unit:mm



Specification

Ethernet MAPMAN Specification

- ●Physical layer :10BASE-T/100BASE-TX Automatic recognition
  *Only 100BASE-TX can be used under Daisy Chain network
- ●User layer :TCP/IP, Dedicated Mitsubishi PLC protocol
- ●Port spec :RJ-45×2 port
- ●IP Address :0.0.0.0～255.255.255.255
  *Local backloop address (127.0.0.1～127.255.255.254) can not be used.
- ●Subnet mask :0.0.0.0～255.255.255.255

Host communication

- ●Interface :EIA RS—485
- ●Synchronous method :Start/stop synchronous type
- ●Communication speed:9600bps, 19200bps, 38400bps, 57600bps
- ●Data bit configuration:Start bit: 1
  Data bit: 7 or 8 (MODBUS 8 bit only)
  Parity bit: None, Odd or Even
  Stop bit: 1
- ●Protocol :ANSI X3.28-1976 subcategories 2.5 and B1
  :MODBUS-RTU
- ●Maximum connections:31点 units (Including Z-TIO, Z-DIO, Z-CT unit)
- ●Address setting :ANSI X3.28-1976 : 0 to 99
  :MODBUS-RTU:01h～FFh
- ●Terminal type :Screw terminals

Loader communication

- ●Communication speed:38400bps
- ●Maximum connections:1unit
- ●Connection with a loader communication cable for our USB converter COM-K2 (sold separately).

General specifications

- ●Power supply voltage:DC24V
- ●Current consumption :150 mA max. Rush current : Less than 15A
- ●Power failure effect :A power failure of 4m sec or less will not affect the action.
- ●Memory backup :Back-up by non-volatile meory
  1) Number of writing :1,000,000 times
  2) Data retaining period:Approx. 10 years
- ●Allowable ambient temperature :−10～+55℃
- ●Allowable ambient humidity :5～95%RH
- ●Weight :Approx. 150 g
- ●Safety standards:
  1) UL UL61010-1
  2) cUL CAN/CSA-22.2 NO.61010-1
  3) CE Marking: EMC Directive EN61326-1
     RoHS Directive EN50581
  4) RCM EN55011

Model and Suffix Code

Specifications			Model and Suffix Code ① ② ③ ④ ⑤ ⑥ ⑦ COM—ME—6 5*02							
Mandatory	Network	①	Ethernet MAPMAN	6						
	Host communication	②	RS-485		5					
	Supported Controller	③	SRZ(Z-TIO / Z-DIO / Z-CT)			02				
Option	Factory Setting (Choose protocol)	④	None (Communication protocal is not specified)*				No Code			
			Specified (⑤～⑦ need to be specified)				/1			
	Host Communication Protocol	⑤	*④ None is chosen and no code is needed					No Code		
			RKC Communication					1		
			MODBUS Communication					2		
	Network Communication Protocol	⑥	*④ None is chosen and no code is needed						No Code	
			MAPMAN (Mitsubishi QnA-compatible 3E frame/SLMP ASCII)						5	
			MAPMAN (Mitsubishi QnA-compatible 3E frame/SLMP Binary)						6	
	Supported numbers of channels	⑦	*④ None is chosen and no code is needed							No Code
			16 Channels							A
			32 Channels							B
			48 Channels							C
			64 Channels							D

If factory setting is not specified, the followings are set as default.
-Host communication protocol:RKC Communication
-Network communication protocol:MAPMAN (Mitsubishi QnA-compatible 3E frame/SLMP Binary)
-Supported number of channels:64 chennels
(equivalent to code「/116D」)

Safety Warning

- Before operating this product, read the instruction manual carefully to avoid incorrect operation.
- This product is intended for use with industrial machines, test and measuring equipment. It is not designed for use with medical equipment.
- If it is possible that an accident may occur as a result of the failure of the product or some other abnormality, an appropriate independent protection device must be installed.

Caution for the export trade

All transactions must comply with laws, regulations, and treaties.

Caution for imitated products

As products imitating our product now appear on the market, be careful that you don't purchase these imitated products. We will not warrant such products nor bear the responsibility for any damage and/or accident caused by their use.

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