

Connect your temperature controllers to the EtherCAT network

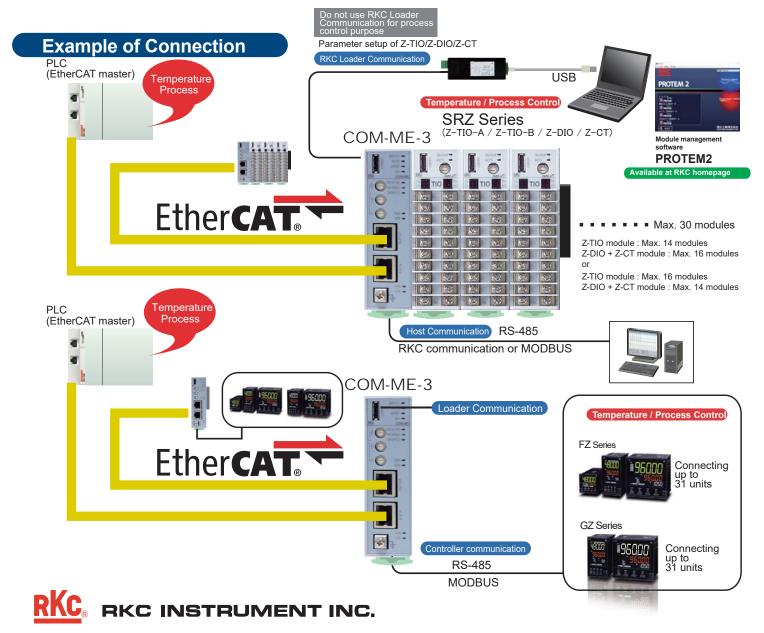
Ether CAT Network

EtherCAT
Communication Converter
COM-ME-3



COM-ME-3 can be used to connect our SRZ series, FZ series, and GZ series to the EnterCAT network.







EtherCAT communication

No profile Device type Physical layer: 100BASE-TX EtherCAT User layer:

Correspondence protocol: CAN application protocol over EtherCAT

Communication object: SDO, PDO Connector type: RJ-45 (2 ports) PDO data length: Max. 1024byte

Both RxPDO (Output) and TxPDO (Input)

Synchronous mode: Free Run

Host communication or Controller communication

SRZ: Host communication

FZ110 / FZ400 / FZ900, GZ400 / GZ900: Controller communication Interface : EIA RS-485

* Multidrop wiring possible

Synchronous method: Start/stop synchronous type 9600bps,19200bps,38400bps, 57600bps Communication speed:

*Set to Modbus protocol on the connected module(s) while using 56700 bps.

Data bit configuration:

Start bit: 1
Data bit: 7 or 8 (MODBUS 8 bit only)

Parity bit : None, Odd or Even

Stop bit: 1 or 2

Protocol

a) RKC Communication: ANSI X3.28-1976 subcategories 2.5 and B1

b) MODBUS Communication: MODBUS-RTU

Controller communication (Supported series: FZ110 / FZ400 / FZ900, GZ400 / GZ900) is only available with MODBUS-RTU (Master). Maximum connection: SRZ: Maximum 30 modules in a combination of

Z-TIO + Z-DIO + Z-CT; the module number of Z-DIO and Z-CT varies depending on the

total number of Z-TIO modules (maximum 16 Z-TIO modules per connection).

FZ110 / FZ400 / FZ900, GZ400 / GZ900:

Maximum 31 units.

Address setting: RKC Communication: 0 to 99 MODBUS-RTU : 01h to FFh

Terminal type: Screw terminals

Loader communication

Communication speed: 38400bps Maximum connections: 1unit

Connection with a loader communication cable for our USB converter

COM-KG (sold separately). **General specifications**

Power supply voltage: DC24V

150 mA max. Rush current: Less than 15A Current consumption :

Power failure effect : A power failure of 4m sec or less will not affect the action.

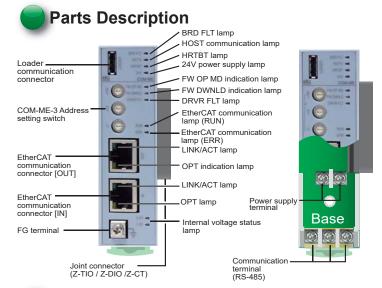
Back-up by non-volatile meory Memory backup

1) Number of writing : 1,000,000 times 2) Data retaining period : Approx. 10 years Allowable ambient temperature: -10 to +55°C Allowable ambient humidity: 5 to 95%RH Weight: Approx. 150 g Safety standards : 1) UL UL61010-1

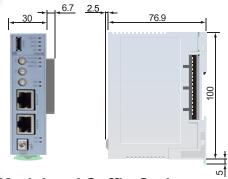
2) cUL CAN/CSA-22.2 NO.61010-1

3) CE Marking : EMC Directive EN61326-1 RoHS Directive EN IEC 63000

4) RCM: EN55011



External Dimensions



Model and Suffix Code

■ Compatible models: SRZ Series (Z-TIO-A / Z-TIO-B / Z-DIO / Z-CT)

Specifications		Model and Suffix Code COM-ME	① -3	② 5 >	③ k 02
Network	1	EtherCAT	3		
Host communication	2	RS-485		5	
Supported Controller	3	SRZ (Z-TIO-A / Z-TIO-B, Z-DIO, Z-CT)			02

■ Compatible models: FZ110 / FZ400 / FZ900, GZ400 / GZ900

	Specifications		Model and Suffix Code COM-ME	① ·3	② 5*	③ · 07	4	⑤
OU,	Network	1	EtherCAT	3				
ndat	Controller Communication	2	RS-485		5			
₩	Supported Controller	3	FZ110 / FZ400 / FZ900, GZ400 / GZ9	00		07		
	Factory Setting	(4)	None (Communication mode is npt specified. Singe word) N				No code	
	(Communication mode)		Specify the communication mode					
	Supported Communication		None (Communication mode is npt specified. Singe word)				No code	
	Mode						1	
_				lo	wer	wo	rd)	2
Optio			FZ Series double word mode (Order of data transfer: lower word to upper word)				3	
_		(5)		lo	wer	wo	rd)	4
			GZ Series, HA Series mode					5
								6
			GZ Series, HA Series mode (Order of data transfer: lower word to	ир	per	. wo	rd)	7
	Option Mandatory	Network Controller Communication Supported Controller Factory Setting (Communication mode) Supported Communication Mode	Network Controller Communication Supported Controller Factory Setting (Communication mode) Supported Communication Mode 5 6 6 6 6 6 6 6 7 7 8 7 8 8 8 8 8 8 8 8 8	Network 1 EtherCAT	Network 1 EtherCAT 3	Network	Network	Network Deteror Supported Controller Supported Communication mode

* If communication mode is not specified, the "single word mode" is set by default.

responsibility for any damage and/or accident caused by their use.



- 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

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



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