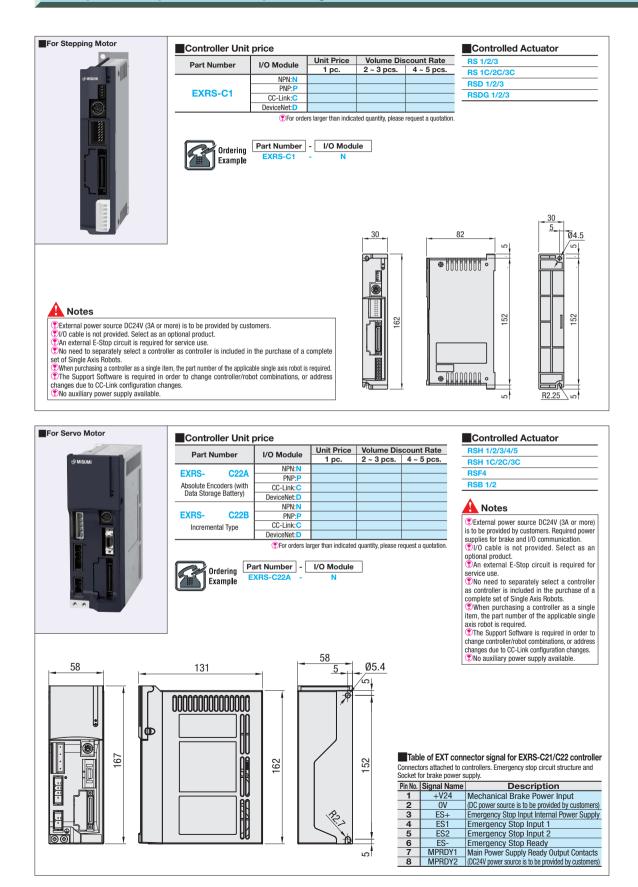
Dedicated Single Axis Robot Position Controllers

Compact, Multiple Functionality and High Performance

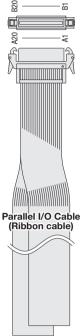




I/O Module	Select from the four types matching to the specifications of PLC. (Common specifications of EXRS-C1 and EXRS-C2)				
Туре		Descriptions	B2(
NPN (Parallel I/O)		16 Inputs (External DC24V±10%, 4mA drain/1 point/+Common) 16 Outputs (External DC24V±10%, 50mA/1 point, 0.4A max. / 8 points, Sinking)			
PNP (Parallel I/O)		16 Inputs (External DC24V±10%, 4mA /-Common) 16 Outputs (External DC24V±10%, 50mA/1 point, 0.4A max. / 8 points, Sourcing)	A20		
CC-LINK		CC-Link applicable to Ver1.10, Remote Device Station (1)	61 13		
DeviceNet		DeviceNet Slave 1 Node (PLC settings file is available on MISUMI's website)			

Parallel I/O Control Signal Function Descriptions

Туре	Pin No.	Signal Name	Meaning	Description		
	A1&A2	+COM	I/O Power Supply Input +Common (24V)	External Power Supply (+) Terminal DC24±10%		
	A3&A4	NC	Not Connected	Not used.		
	A5~A12	PIN0~7 Point No. Set (Binary)		Specify the point No. of the set target position Specify point No. for current position input (in manual operation mode).		
	A13	JOG+	Jog Operation (+) Inching/Jog moves in + direction (in manual mode)			
	A14	JOG-	Jog Operation (-)	Inching/Jog moves in - direction (in manual mode)		
Input	A15	MANUAL	Manual Mode	Switch to Manual Mode		
	A16	ORG	Return to Home	Start Homing		
	A17	/LOCK	Interlock	External input is allowed. When set to OFF during movement, deceleration is stopped.		
	A18	START	Start Operation	Starts positioning operation towards specified point No.		
	A19	RESET	Reset	Reset Alarm Reset Point No. Output		
				Clear remaining travel distance in relative positioning operation		
	A20	SERVO	Servo ON	Motor ON/OFF		
	B1~B8	POUT0~7	Output Point No. (Binary)	Outputs point number to be specified by positioning operation Outputs alarm No. in the event of alarm occurrence (Enable/Disable setting is available)		
	B9	OUTO	Control Output 0	Arbitrarily allocate from the following depending on the "Parameter settings".		
	B10	OUT1	Control Output 1	Zone Output, Individual Zone Output, Manual Mode Status, Completion of		
	B11	OUT2	Control Output 2	Homing,		
	B12	OUT3	Control Output 3	@Hard Stop, Alarm Output, Proximity Output, In Motion		
Output	B13	BUSY	In Operation	ON in operation		
	B14	END	Completion of Operation	Sets the Operation result to ON through Output, upon successful completion.		
	B15	/ALM	Alarm	ON in normal status, OFF output in the event of alarm status		
	B16	SRV-S	Servo Status	Set to ON at the time of power is supplied to the motor.		
	B17~B18	NC	Not Connected	Not used.		
	B19~B20	-COM	I/O Power Supply Input -Common (0V)	External power supply (-) terminal Inputs to External OV terminal.		



B20 B1 B1

Upstream Controller side cut off cable

Communication Specifications

CC-Link Network Board Specification

Item	CC-Link Network Specification					
Communication Protocol	CC-Link V1.10					
Station	Remote Device Station					
Number of Stations Occupied	1 Station					
Station Number Setting	1~64					
Communication Speed Setting	156Kbps	625Kbps	2.5Mbps	5Mbps	10Mbps	
Total Extended Distance	1200m	900m	400m	160m	100m	
Monitor LED	RUN, ERR, SD, RD					

DeviceNet Network Board Specification

DeviceNet	t Network Spe			
	DeviceNet Network Specification			
Volume 1 Release2.0/Volume 2 Release2.0				
Generic Device				
0~63				
125kpbs	250kbps	500kbps		
500m	250m	100m		
Module, Network				
	125kpbs 500m	Generic Device 0~63 125kpbs 250kbps 500m 250m		

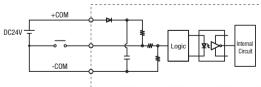
Standard COM1 port communication specifications (RS232C) Item Specifications Transmission Rate 384000ps Data Bit Length 8 bits Stop Bit Length 1 bit Parity 0dd Flow control Not provided Communication Method Rid-dugic Communications

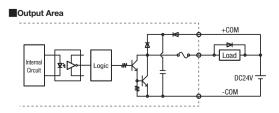
A

I/O Circuit Diagram

NPN Specifications

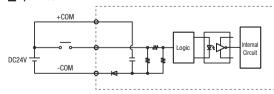
Input Area





PNP Specifications





Crout