

Device/PLC Connection Manuals



About the Device/PLC Connection Manuals

Prior to reading these manuals and setting up your device, be sure to read the "Important: Prior to reading the Device/PLC Connection manual" information. Also, be sure to download the "Preface for Trademark Rights, List of Units Supported, How to Read Manuals and Documentation Conventions" PDF file. Furthermore, be sure to keep all manual-related data in a safe, easy-to-find location.

A

Fuji Electric

A.1

Maximum Number of Consecutive Device Address

The following lists the maximum number of consecutive addresses that can be read by each PLC. Refer to these tables to utilize *Block Transfer*.



Note: When the device is setup using the methods below, the Data Communication Speed declines by the number of times the device is read.

- When consecutive addresses exceed the maximum data number range
- When an address is designated for *division*
- When device types are different

To speed up data communication, plan the tag layout in screen units, as consecutive devices. (Includes the Alarm and Trend screens.)

■ PLCs

<MICREX-F Series>

Device	Max. No. of Consecutive Address	Device	Max. No. of Consecutive Address
Input/Output Relay B	48 Words	Timer 0.1 (current value) W9	24 Words
Auxiliary Relay M		Counter (current value) CR	
Keep Relay K		Counter (setup value) CS	
Differential Relay D		Data Memory BD	
Link Relay L		Data Memory DI	
Timer (0.01 sec) T	1 Word	Data Memory SI	48 Words
Timer (0.1 sec) T		File Memory (W30)	
Counter C		File Memory (W31)	
Direct Input/Output W	48 Words	File Memory (W32)	
Timer 0.01 (current value) TR	24 Words	File Memory (W33)	24 Words
Timer 0.01 (setup value) TS		File Memory (W34)	

<FLEX-PC N Series>

Device	Max. No. of Consecutive Address	Device	Max. No. of Consecutive Address
Input Relay X	105 Words	Data Register D	105 Words
Output Relay Y		Special Register D	
Internal Relay M		Link Register W	
Extended Internal Relay M		File Register R	
Latch Relay L		Timer (current v alue) T	
Extended Latch Relay L		Timer (setup v alue) TS	
Special Relay M		Counter (current v alue) C	
Timer T		Counter (setup v alue) CS	
Counter C			

■ Inverters

<Micro-Controller X Series (Model:PX R)>

Device Address	Max. No. of Consecutive Address
00001 ~	1 bit
10001 ~	8 bit
30001 ~	15 words
40001 ~	60 words
31001 ~	15 words
41001 ~	60 words

A.2**Device Codes and Address Codes**

Device codes and address codes are used to specify indirect addresses for the E-tags or K-tags.

The word addresses of data to be displayed are coded and stored in the word address specified by the E-tags and K-tags. (Code storage is done either by the PLC, or with T-tag and K-tags)

■ PLCs

<MICREX-F Series>

	Device	Word Address	Device code (HEX)	Address code	
Bit Device	Input Relay	WB0000~	8040	Word Address	
	Direct I/O	W24.0000~	4840	Word Address	
	Auxiliary Relay	WM0000~	9040	Word Address	
	Keep Relay	WK000~	C040	Word Address	
	Differential Relay	WD000~	D040	Word Address	
	Link Relay	WL000~	C840	Word Address	
	Special Relay	WF0000~	B040	Word Address	
	Announce Relay	WA0000~	B840	Word Address	
Word Device	Timer 0.01 sec (current value)	TR0000~	6080	Word Address	
	Timer 0.01 sec (set value)	TS0000~	6880	Word Address	
	Timer 0.1 sec (current value)	W9.000~	6480	Word Address	
	Counter (current value)	CR0000~	7080	Word Address	
	Counter (set value)	CS0000~	7880	Word Address	
	Data Memory		BD0000~	0080	Word Address
			DI0000~	0880	Word Address
			SI0000~	0440	Word Address
	File Memory		W30.0000~	2040	Word Address
			W31.0000~	2240	Word Address
			W32.0000~	2440	Word Address
			W33.0000~	2680	Word Address
			W34.0000~	2880	Word Address
LS area	LS0000~	4040	Word Address		

<FLEX-PC Series>

	Device	Word Address	Device code (HEX)	Address code
Bit Device	Input Relay	WX000~	8040	Word Address
	Output Relay	WY000~	8840	Word Address
	Internal Relay	WM000~	9040	Word Address
	Extended Internal Relay	WM040~	9840	Word Address
	Latch Relay	WL000~	C 040	Word Address
	Extended Latch Relay	WL040~	C 840	Word Address
	Special Relay	WM800~	X	X
Word Device	Timer (current value)	T0000~	6000	Word Address
	Timer (set value)	TS0000~	6800	Word Address
	Counter (current value)	C 0000~	7000	Word Address
	Counter (set value)	CS0000~	7800	Word Address
	Data Register	D0000~	0040	Word Address
	Special Register	D8000~	X	X
	Link Register	W0000~	0440	Word Address
	File Register	R0000~	4840	Word Address
	LS area	LS0000~	4040	Word Address

■ Inverters

<Micro-Controller X Series (Model:PX R)>

	Device	Word Address	Device Code (HEX)	Address Code
Bit Device	Parameter	00001 ~	8000	Cannot be set
		10001 ~	8200	Word Address minus 1
Word Device		30001 ~	8400	Word Address minus 1
		40001 ~	8600	Word Address minus 1
		31001 ~	8800	Word Address minus 1
		41001 ~	8A00	Word Address minus 1
		LS Area	LS0000 ~	4000