Pro-face

Digital Human Machine Interface

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 Matsushita Electronics Industrial

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.)

■ PLC

< MEWNET Series>

<table>
<tr><th>Device</th><th>Max. No. of consecutive Address</th><th>Device</th><th>Max. No. of Consecutive Address</th></tr>
<tr><td>Input Relay X</td><td rowspan="6">27 Words</td><td>Link Register Ld</td><td rowspan="3">27 Words</td></tr>
<tr><td>Output Relay Y</td><td>Data Register /Special Data Register DT</td></tr>
<tr><td>Internal Relay R</td><td>File Register FL</td></tr>
<tr><td>Link Relay L</td><td>Timer/Counter (setup value) SV</td><td rowspan="2">24 Words</td></tr>
<tr><td>Special Relay R</td><td>Timer/Counter (elapsed value) SV</td></tr>
<tr><td>Timer (contact) T</td><td rowspan="2">8 Words</td><td rowspan="2"></td></tr>
<tr><td>Counter (contact) C</td></tr>
</table>

■ Servos

< MINAS-A/MINAS-S Series>

Device	Max. No. of consecutive Address
05_	6 Words
20_	1 Word
21_	2 Words
22_	2 Words
24_	1 Word
25_	
26_	2 Words
27_	2 Words
28_	3 Words
29_	4 Words
2A_	6 Words
2D_	5 Words
80_	1 Word
90_	
91_	
92_	14 Words
B0_	4 Words
B1_	64 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

< MEWNET Series>

	Device	Word Address	Device code (HEX)	Address code
Bit Device	Input Relay	WX000~	8000	Word Address
	Output Relay	WY000~	8800	Word Address
	Internal Relay	WR000~	9000	Word Address
	Link Relay	WL000~	C800	Word Address
	Special Relay	WR900~	9000	Word Address
Word Device	Timer/Counter (elapsed value)	EV0000~	6000	Word Address
	Timer/Counter (elapsed value)	SV0000~	6800	Word Address
	Data Register/ Special Data Register	DT000~	0000	Word Address
	Link Register	Ld0000~	4800	Word Address
	File Register	FL00000~	5800	Word Address
	Special Data Register	DT90000~	7000	Word Address
	LS area	LS0000~	4000	Word Address

■ Servos

< MINAS-A/MINAS-S Series>

	Device	Word Address	Device code (HEX)	Address code
	05_	00	8600	Word Address
	20_	00	8E00	Word Address
	20_	01	9000	Word Address
	21_	00	9200	Double-Word Address
	22_	00	9400	Double-Word Address
	24_	00	9600	Word Address
	25_	00	9800	Word Address
	26_	00	9A00	Double-Word Address
	27_	00	9C00	Double-Word Address
	28_	00	9E00	Double-Word Address
	28_	00	A000	Word Address
	29_	00	A200	Word Address
	29_	01	A400	Word Address
	29_	02	A600	Double-Word Address
	2A_	00	A800	Word Address
	2A_	01	AA00	Word Address
	2A_	02	AC00	Double-Word Address
	2A_	03	AE00	Double-Word Address
	2A_	04	B000	Word Address
	2D_	00	B200	Word Address
	2D_	01	B400	Word Address
	2D_	02	B600	Double-Word Address
	2D_	03	B800	Word Address
	80_	000 ~ 0FF	BA00	Word Address
	81_	000 ~ 0FF	BC00	Word Address
	84_	00	BE00	Word Address
	90_	00	C000	Word Address
	91_	000 ~ 0FF	C200	Word Address
	91_	100 ~ 1FF	C400	Word Address
	92_	001 ~ 014	C600	Word Address
	93_	00	C800	Word Address
	94_	00	CA00	Word Address
	9B_	00	CC00	Word Address
	B0_	000 ~ 07F	CE00	Word Address
		100 ~ 17F	DA00	
		200 ~ 27F	DC00	
		300 ~ 37F	DE00	
	B1_	000 ~ 07F	D000	Word Address
		100 ~ 17F	D400	
		200 ~ 27F	D600	
		300 ~ 37F	D800	
	B2_	00	D200	Word Address
	LS area	0000 ~	4000	Word Address