

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.

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Yasukawa 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

<Memocon-SC Series (includes Micro)>

Device	Max. No. of Consecutive Address
Coil (Output/Internal)	250 Words
Input Relay	
Link Coil D	128 Words
Input Register	125 Words
Output/Latch Register	
Link Register R	
Constant Register	
Extended Register	

<PROGIC-8 Series>

Device	Max. No. of Consecutive Address
Output Coil O	250 Words
Input Relay I	
Internal Coil N	
Link Coil D	128 Words
Data Register W	125 Words
Input Register D	
Link Register R	

<MP900/ CP-9200SH Series>

Device	Max. No. of Consecutive Address
Output Coil	125 Words
Input Relay	
Special Latch Register	
Input Register	

<Control Pack Series>

Device	Max. No. of consecutive Address
Input Coil O	250 Words
Output Register	
System Register	
System Register	125 Words
Data Register	
Common Register	
Input Register	
Output Register	

■ **Inverters**

Device	Max. No. of Consecutive
Bit Register	16 Words
Register	

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

<Memocon-SC Series (U84/84J/U84S/GL40S/GL60H/GL70H/GL60S)>

	Device	Word Address	Device code (HEX)	Address code
Word Device	Input Register	30001~	1240	Save as word address value minus 30001.
	Output/Keep Register	40001~	0040	Save as word address value minus 40001.
	Link Register	R0001~	4840	Save as word address value minus 1.
	Constant Register	31001~	1440	Save as word address value minus 31001.
	Extended Register	A0000~	1040	Word Address
	LS area	LS0000~	4040	Word Address

<Memocon-SC Series (GL120/GL130)>

	Device	Word Address	Device code (HEX)	Address code
Word Device	Input Register	300001~	1240	Save as word address value minus 30001.
	Output Register	400001~	0040	Save as word address value minus 40001.
	Keep Register	400513~	0040	Save as word address value minus 40001.
	Constant Register	700001~	X	X
	LS area	LS0000~	4040	Word Address

<PROGIC-8 Series>

	Device	Word Address	Device code (HEX)	Address code
Word Device	Data Register	W1~	0040	Save as word address value minus 1.
	Input Register	Z1~	1240	Save as word address value minus 1.
	Link Register	R1~	4840	Save as word address value minus 1.
	LS area	LS0000~	4040	Word Address

<Control Pack Series/MP900 Series>

	Device	Word Address	Device code (HEX)	Address code	
Word Device	Input Register	49744~	0040	Save as word address value minus 40001.	
	Output Register	49872~	0040	Save as word address value minus 40001.	
	System Register	30001~	1240	Save as word address value minus 30001.	
	Data Register		31001~ (C P-9200H only)	1440	Save as word address value minus 3101.
			40001~	0040	Save as word address value minus 40001.
	Common Register	42049~	0040	Save as word address value minus 40001.	
	LS area	LS0000~	4040	Word Address	

<Memocon Micro>

	Device	Word Address	Device code (HEX)	Address code
Word Device	Input Register	30001~	1240	Save as word address value minus 30001.
	Output/Keep Register	40001~	0040	Save as word address value minus 40001.
	LS area	LS0000~	4040	Word Address

■ Inverters

	Device	Word Address	Device Code	Address Code
Bit Device	Bit Register	BR0000 ~ BR03FF	8200	Word Address
		BR0400 ~ BR07FF	8400	
		BR0800 ~ BR0BFF	8600	
Word Device	Register	0000 ~ 03FF	0200	
		0400 ~ 07FF	0400	
		0800 ~ 0BFF	0600	
	LS Area	LS0000 ~	4000	