Pro-face

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 ▶ Sharp

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

<New Satellite JW Series>

Device	Max. No. of consecutive Address
Relay	100 Words
Timer (contact) T	
Counter (contact) C	
Timer/Counter (current value) T	
Timer/Counter (current value) B	
Register	
File Register (File 1~3) (File 10~2C)	

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

<New Satellite JW Series>

	Device	Word Address	Device code (HEX)	Address code
Bit Device	Relay	A0000~ (　0000~)	9000	Save as word address value divided by 2.
Word Device	Timer/Counter (current value)	T0000~	6000	Word Address
		B0000~ (b0000~)	7000	Save as word address value divided by 2.
	Register	09000~	0000	Save as word address value divided by 2.
		19000~	0200	Save as word address value divided by 2.
		29000~	0400	Save as word address value divided by 2.
		39000~	0600	Save as word address value divided by 2.
		49000~	0800	Save as word address value divided by 2.
		59000~	0A00	Save as word address value divided by 2.
		69000~	0C00	Save as word address value divided by 2.
		79000~	0E00	Save as word address value divided by 2.
		89000~	1000	Save as word address value divided by 2.
		99000~	1200	Save as word address value divided by 2.
	File Register	1000000~	X	X
	LS area	LS0000~	4000	Word Address