

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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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

◆ 1:1 Connection

<Facon FB Series>

Device	Max. No. of Consecutive Addresses
X (Input Relay)	16 Words
Y (Output Relay)	
S (S Relay)	
M (Auxiliary Relay)	
SM (Special Relay)	4 Words
WX (Input Relay)	64 Words
WY (Output Relay)	
WS (S Relay)	
WM (Auxiliary Relay)	
WSM (Special Relay)	4 Words
T (Timer current)	64 Words
C (Counter current)	
HC (Hi Speed Counter)	
R (Data Register HR)	
HR (Data Register HR)	
D (Data Register HR)	
IR (Input Register)	
OR (Output Register)	
HSC (HSC Register)	32 Words
RTC (Calendar Register)	8 Words
SR (Special Register)	32 Words
ROR (Read Only Register)	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)

■ PLC**◆ 1:1 Connection**

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	Device	Word Address	Device Code (HEX)	Address Code
Bit Device	Input Relay	WX0000 ~	0400	Save as word address value divided by 16
	Output Relay	WY0000 ~	0800	Save as word address value divided by 16
	S Relay	WS0000 ~	4200	Save as word address value divided by 16
	Auxiliary Relay	WM0000 ~	1000	Save as word address value divided by 16
	Special Relay	WSM1912 ~	2000	Save as word address value divided by 16
Word Device	Timer (current)	T0000 ~	4400	Word Address
	Counter (current)	C0000 ~	4800	Word Address
	Hi Speed Counter	HC0000 ~	3200	Word Address
	Data Register R	R00000 ~	F200	Word Address
	Data Register HR	HR00000 ~	0000	Word Address
	Data Register DR	D00000 ~	4600	Word Address
	Input Register	IR3840 ~	5000	Word Address
	Output Register	OR3904 ~	6000	Word Address
	HSC Register	HSC4096 ~	0600	Word Address
	Calendar Register	RTC4128 ~	0C00	Word Address
	Special Register	SR4136 ~	1800	Word Address
	Read Only Register	ROR5000 ~	3000	Word Address
LS area	LS0000 ~	4000	Word Address	