

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

ORIM VEXTA

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

<E1 Series>

Device	Max. No. of Consecutive Addresses
I	64 Words
IU	
ID	
O	
M	
R	
RD	
B	
MS	
SY	
AD	
DA	
SL	
SH	
SR	
SD	
MP	

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

<E1 Series>

	Device	Word Address	Device code (HEX)	Address code
Bit Device	Input Register	I0001 ~	8000	Word Address minus 1.
	ON Event Input Register	IU001 ~	8800	Word Address minus 1.
	OFF Event Input Register	ID001 ~	9000	Word Address minus 1.
	Output Register	O0001 ~	B000	Word Address minus 1.
	Position Register	M0001 ~	C800	Word Address minus 1.
	Universal Register Double-Length	RD001 ~	E000	Word Address minus 1.
	Base Register	B000 ~	F000	Word Address
	Current Motor Status	MS001 ~	A800	Word Address minus 1.
	SY Register	SY001 ~	D000	Word Address minus 1.
Word Device	Analog Input Register	AD001 ~	5800	Word Address minus 1.
	Analog Output Register	DA001 ~	4800	Word Address minus 1.
	Speed Register Low	SL001 ~	6800	Word Address minus 1.
	Speed Register High	SH001 ~	7000	Word Address minus 1.
	Speed Register Raise	SR001 ~	7800	Word Address minus 1.
	Speed Register Decrease	SD001 ~	1000	Word Address minus 1.
	Current Motor Position	MP001	3800	Word Address minus 1.
	Universal Register	R0001 ~	0000	Word Address minus 1.
	LS area	LS0000 ~	4000	Word Address