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 Fanuc

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*.

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.)

■ Motion Controllers

<FANUC Power Mate Series>

Device	Max. No. of Consecutive Address
Input Relay X	128 Words
Output Relay Y	
Internal Relay	
Keep Relay K	
Data Table D	
Timer T	
Counter C	

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)

■ Motion Controllers

<FANUC Power Mate Series>

	Device	Word Address	Device code (HEX)	Address code
Bit Device	Input Relay (X)	X00000~ X01000~	8000	Save as word address value minus 1 divided by 2.
	Output Relay (Y)	Y00000~ Y01000~	9000	Save as word address value minus 1 divided by 2.
	Internal Relay (R)	R00000~	C000	Save as word address value minus 1 divided by 2.
	Keep Relay (K)	K0000~	D000	Save as word address value minus 1 divided by 2.
Word Device	Timer (T)	T0000~	6800	Save as word address value minus 1 divided by 2.
	Counter (C)	C0000~	7800	Save as word address value minus 1 divided by 2.
	Data Table (D)	D00000~	0000	Save as word address value minus 1 divided by 2.
	LS area	LS0000~	4000	Word Address