

# Device/PLC Connection Manuals

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## 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

## Toshiba Machine

## 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

<PROVISOR TC200 Series (TCCUH)>

Device	Max. No. of Consecutive Address	Device	Max. No. of Consecutive Address
Input Relay X	16 Words	Edge Relay E	16 Words
Output Relay Y		Timer (contact) T	
Internal Relay M		Counter (contact) C	
Extended Internal Relay 1 G		Generic Register 1	
Extended Internal Relay 2 H		Generic Register 2	
Special Auxiliary Relay A		Timer/Counter (current value)	
Latch Relay L		Timer/Counter (current value)	
Shift Register S			

**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**

<PROVISOR TC200 Series (TCCUH)>

	Device	Word Address	Device code (HEX)	Address code
Bit Device	Input Relay	XW00~	8000	Word Address
	Output Relay	YW00~	8800	Word Address
	Internal Relay	RW00~	9000	Word Address
	Extended Internal Relay-1	GW00~	9200	Word Address
	Extended Internal Relay-2	HW00~	9400	Word Address
	Special Auxiliary Relay	AW00~	B000	Word Address
	Latch Relay	LW00~	C000	Word Address
	Shift Register	SW00~	C200	Word Address
	Edge Relay	EW00~	C400	Word Address
	Timer (contact)	TW00~	E000	Word Address
	Counter (contact)	CW00~	F000	Word Address
Word Device	Timer/Counter (current value)	P000~	6000	Word Address
	Timer/Counter (set value)	V000~	7000	Word Address
	Generic Register 1	D000~	0000	Word Address
	Generic Register 2	B000~	2000	Word Address
	LS area	LS0000~	4000	Word Address