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 Ubon Corporation

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.)

■ PLC

<UPZ Series>

Device	Max. No. of Consecutive Addresses
Input Relay	128 Words
Output Relay	
Internal Relay	
Stage	
Special Relay	
Timer	
Counter	
Timer (Elapsed time)	
Counter (Elapsed time)	
Data Register	
Special Register	

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

<UPZ Series>

Device	Word Address	Device Code	Address Code
Input Relay	R40400 to R40437	0x8000	Word Address -40400
Output Relay	R40500 to R40537	0x8800	Word Address -40500
Internal Relay	R40600 to R40677	0x9000	Word Address -40600
Stage	R41000 to R41037	0xA000	Word Address -41000
Special Relay	R41200 to R41237	0xB000	Word Address -41200
Timer	R41100 to R41117	0xE000	Word Address -41100
Counter	R41140 to R41147	0xF000	Word Address -41100
Timer (Elapsed time)	R000 to R377	0x6000	Word Address
Counter (Elapsed time)	R1000 to R1177	0x7000	Word Address -1000
Data Register	R1400 to R7377	0x0000	Word Address -1400
	R10000 to R17777	0x5800	Word Address -10000
Special Register	R7400 to R7777	0x5000	Word Address -7400
	R37000 to R37777	0x5800	Word Address -10000
LS	LS0000 to	0x4000	Word Address