



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.

Yokogawa Electric Corporation - Appendix

A.1 Maximum Number of Consecutive Device Addresses

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 Units

<FACTORY ACE Series>

| Device | Max. No. of Consecutive Address | Device | Max. No. of Consecutive Address |
|---------------------|------------------------------------|----------------------------------|------------------------------------|
| Input Relay X | 1 Words | Timer (current value) TP | |
| Output Relay Y | i vvoius | Timer (setup value) TS | |
| Internal Relay I | 63 Words | C ounter (current v alue) C P | |
| Joint Relay E | os words | C ounter (setup v alue) C S | 63 Words |
| Timer (contact) T | 16 Words | Data Register D | |
| Counter (contact) C | | Common Register B *1 | |
| Special Relay M | 63 Words | File Register B *1 | |
| Link Relay L | 05 WORds | Special Register Z | |
| | | Link Register W | |

^{*1} Device B becomes the Common Register when the CPU is FA500, and becomes the File Register when the CPU is FA-M3.

<STARDOM Standalone Controller FCN/FCJ Series> (When using Yokogawa Electric FCN/FCJ ModbusRTU 1:n Protocol)

| Device | Max. No. of Consecutive Addresses | |
|---------------------|--------------------------------------|--|
| Coil (0) | | |
| Input Relay (1) | 125 Words | |
| Retain Register (4) | 125 Wolus | |
| Input Register (3) | | |

◆Ethernet Communication

<FACTORY ACE Series/FA-M3>

| Device | Max.No.of Consecutive Addresses | |
|-------------------------|---------------------------------|--|
| Input Relay | 1 Word | |
| Output Relay | i word | |
| Internal Relay | | |
| Common Relay | 64 words | |
| Special Relay | | |
| Link Relay | | |
| Timer (contact) | 16 words | |
| Counter (contact) | | |
| Timer (current value) | | |
| Counter (current value) | | |
| Timer (setup value) | | |
| Counter (setup value) | | |
| Data Register | 64w ords | |
| File Register | | |
| Common Register | | |
| Special Register | | |
| Link Register | | |

■ Controller

<UT2000/UT3000/Green Series>

| Device | Max. No. of Consecutive Address | |
|--------|---------------------------------------|--|
| D | 63 Words | |
| I | 63 Words | |

<UT100>

| | Max. No. of |
|------------|-------------|
| Device | Consecutive |
| | Address |
| D Register | 32 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)

■ PLCs

<FA500 (1:1 communication)*>

| | Device | Word Address | Device code (HEX) | Address code |
|------------|-------------------------|--------------|----------------------|---|
| | Input Relay | X00201~ | Χ | X |
| | Output Relay | Y00201~ | Х | X |
| | Internal Relay | 10001~ | 9000 | Save as word address value minus 1 divided by 16. |
| Bit Device | Joint Relay | E0001~ | B800 | Save as word address value minus 1 divided by 16. |
| | Special Relay | M001~ | B000 | Save as word address value minus 1 divided by 16. |
| | Link Relay | L0001~ | C 000 | Save as word address value minus 1 divided by 16. |
| | Timer (current value) | TP001~ | 6000 | Save as word address value minus 1. |
| | Timer (set velue) | TS001~ | 6800 | Save as word address value minus 1. |
| | Coutner (current value) | CP001~ | 7000 | Save as word address value minus 1. |
| Word | Counter (set value) | CS001~ | 7800 | Save as word address value minus 1. |
| Device | Data Register | D0001~ | 0000 | Save as word address value minus 1. |
| | Common Register | B0001~ | 2000 | Save as word address value minus 1. |
| | Special Register | Z001~ | 5000 | Save as word address value minus 1. |
| | Link Register | W0001~ | 5800 | Save as word address value minus 1. |
| | LS area | LS0000~ | 4000 | Word Address |

^{*} Only CPU No. 1 is available.

<FA500 (1:n communication)*>

| | Device | Word Address | Device code (HEX) | Address code |
|------------|-------------------------|--------------|----------------------|---|
| | Input Relay | X00201~ | Х | Х |
| | Output Relay | Y00201~ | Х | Х |
| | Internal Relay | 10001~ | 9000 | Save as word address value minus 1 divided by 16. |
| Bit Device | Joint Relay | E0001~ | B800 | Save as word address value minus 1 divided by 16. |
| | Special Relay | M001~ | B000 | Save as word address value minus 1 divided by 16. |
| | Link Relay | L0001~ | C 000 | Save as word address value minus 1 divided by 16. |
| | Timer (current value) | TP001~ | 6000 | Save as word address value minus 1. |
| | Timer (set velue) | TS001~ | 6800 | Save as word address value minus 1. |
| | Coutner (current value) | CP001~ | 7000 | Save as word address value minus 1. |
| Word | Counter (set value) | CS001~ | 7800 | Save as word address value minus 1. |
| Device | Data Register | D0001~ | 0000 | Save as word address value minus 1. |
| | Common Register | B0001~ | 2000 | Save as word address value minus 1. |
| | Special Register | Z001~ | 5000 | Save as word address value minus 1. |
| | Link Register | W0001~ | 5800 | Save as word address value minus 1. |
| | LS area | LS0000~ | 4000 | Word Address |

^{*} Only CPU No. 1 in station No.1 is available.

<STARDOM Standalone Controller FCN/FCJ Series> (When using Yokogawa Electric FCN/FCJ ModbusRTU 1:n Protocol)

| Device | Device Address | Device code | Address Code |
|--------|----------------|-------------|--------------------|
| 1_0 | 1_000001 - | 0xB000 | |
| 2_0 | 2_000001 - | 0xB200 | |
| 3_0 | 3_000001 - | 0xB400 | |
| 4_0 | 4_000001 - | 0xB600 | |
| 5_0 | 5_000001 - | 0xB800 | |
| 6_0 | 6_000001 - | 0xBA00 | |
| 7_0 | 7_000001 - | 0xBC00 | |
| 8_0 | 8_000001 - | 0xBE00 | |
| 9_0 | 9_000001 - | 0xC000 | |
| 10_0 | 10_000001 - | 0xC200 | |
| 11_0 | 11_000001 - | 0xC400 | |
| 12_0 | 12_000001 - | 0xC600 | |
| 13_0 | 13_000001 - | 0xC800 | |
| 14_0 | 14_000001 - | 0xCA00 | |
| 15_0 | 15_000001 - | 0xCC00 | |
| 16_0 | 16_000001 - | 0xCE00 | (Word Address)/ 16 |
| 17_0 | 17_000001 - | 0x8000 | |
| 18_0 | 18_000001 - | 0x8200 | |
| 19_0 | 19_000001 - | 0x8400 | |
| 20_0 | 20_000001 - | 0x8600 | |
| 21_0 | 21_000001 - | 0x8800 | |
| 22_0 | 22_000001 - | 0x8A00 | |
| 23_0 | 23_000001 - | 0x8C00 | |
| 24_0 | 24_000001 - | 0x8E00 | |
| 25_0 | 25_000001 - | 0xD000 | |
| 26_0 | 26_000001 - | 0xF200 | |
| 27_0 | 27_000001 - | 0xF400 | |
| 28_0 | 28_000001 - | 0xF600 | |
| 29_0 | 29_000001 - | 0xF800 | |
| 30_0 | 30_000001 - | 0xFA00 | |
| 31_0 | 31_000001 - | 0xFC00 | |
| 1_1 | 1_100001 - | 0x9000 | |
| 2_1 | 2_100001 - | 0x9200 | |
| 3_1 | 3_100001 - | 0x9400 | |
| 4_1 | 4_100001 - | 0x9600 | |
| 5_1 | 5_100001 - | 0x9800 | (Word Address)/ 16 |
| 6_1 | 6_100001 - | 0x9A00 | |
| 7_1 | 7_100001 - | 0x9C00 | |
| 8_1 | 8_100001 - | 0x9E00 | |
| 9_1 | 9_100001 - | 0xA000 | |
| 10_1 | 10_100001 - | 0xA200 | |

| 11_1 11_100001 - 0xA400 12_1 12_100001 - 0xA600 13_1 13_100001 - 0xA800 14_1 14_100001 - 0xAC00 15_1 15_100001 - 0xAC00 16_1 16_100001 - 0x6000 17_1 17_100001 - 0x6000 18_1 18_100001 - 0x6400 20_1 20_100001 - 0x6600 21_1 21_100001 - 0x6800 22_1 22_100001 - 0x6600 23_1 23_100001 - 0x6600 24_1 24_100001 - 0x6600 25_1 25_100001 - 0x7000 26_1 26_100001 - 0x7000 26_1 26_100001 - 0x7400 28_1 28_100001 - 0x7600 29_1 29_100001 - 0x7800 30_1 30_10001 - 0x7600 29_1 29_100001 - 0x7000 1_4 1_400001 - 0x000 2_4 2_400001 - 0x00 | |
|---|------|
| 13_1 | 11_1 |
| 14_1 14_100001 - 0xAA00 15_1 15_100001 - 0xAC00 16_1 16_100001 - 0xAE00 17_1 17_100001 - 0x6000 18_1 18_100001 - 0x6200 19_1 19_100001 - 0x6400 20_1 20_100001 - 0x6600 21_1 21_100001 - 0x6600 22_1 22_100001 - 0x6000 23_1 23_100001 - 0x600 24_1 24_100001 - 0x600 25_1 25_100001 - 0x700 26_1 26_100001 - 0x7200 27_1 27_100001 - 0x7400 28_1 28_100001 - 0x7800 30_1 30_100001 - 0x700 29_1 29_100001 - 0x700 1_4 1_400001 - 0x000 2_4 2_400001 - 0x0400 3_4 3_400001 - 0x0400 4_4 4_400001 - 0x0400 5_4 5_400001 - 0x000 | |
| 15_1 | |
| 16_1 16_100001 - 0xAE00 17_1 17_100001 - 0x6000 18_1 18_100001 - 0x6200 19_1 19_100001 - 0x6400 20_1 20_100001 - 0x6600 21_1 21_100001 - 0x6A00 22_1 22_100001 - 0x6C00 24_1 24_100001 - 0x6E00 25_1 25_100001 - 0x7000 26_1 26_100001 - 0x7400 28_1 28_100001 - 0x7600 29_1 29_100001 - 0x7800 30_1 30_100001 - 0x7A00 31_1 31_100001 - 0x7C00 1_4 1_40001 - 0xD200 2_4 2_40001 - 0xD400 3_4 3_400001 - 0xD600 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | |
| 17_1 17_100001 - 0x6000 18_1 18_100001 - 0x6200 19_1 19_100001 - 0x6400 20_1 20_100001 - 0x6600 21_1 21_100001 - 0x6800 22_1 22_100001 - 0x6C00 23_1 23_100001 - 0x6E00 24_1 24_100001 - 0x7000 25_1 25_100001 - 0x7200 27_1 27_100001 - 0x7400 28_1 28_100001 - 0x7600 29_1 29_10001 - 0x7800 30_1 30_100001 - 0x7A00 31_1 31_100001 - 0x7C00 1_4 1_40001 - 0xD200 2_4 2_40001 - 0xD400 3_4 3_400001 - 0xD600 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 15_1 |
| 18_1 18_100001 - 0x6200 19_1 19_100001 - 0x6400 20_1 20_100001 - 0x6600 21_1 21_100001 - 0x6800 22_1 22_100001 - 0x600 23_1 23_100001 - 0x600 24_1 24_100001 - 0x600 25_1 25_100001 - 0x7000 26_1 26_100001 - 0x7200 27_1 27_100001 - 0x7600 29_1 29_100001 - 0x7800 30_1 30_100001 - 0x7A00 31_1 31_100001 - 0x7C00 1_4 1_40001 - 0xD200 2_4 2_400001 - 0xD400 3_4 3_400001 - 0xD800 5_4 5_400001 - 0xD800 5_4 5_400001 - 0xDC00 7_4 7_400001 - 0xD000 8_4 8_400001 - 0xE000 | 16_1 |
| 19_1 | 17_1 |
| 20_1 20_100001 - 0x6600 21_1 21_100001 - 0x6800 22_1 22_100001 - 0x6C00 23_1 23_100001 - 0x6E00 24_1 24_100001 - 0x7000 25_1 25_100001 - 0x7200 27_1 27_100001 - 0x7400 28_1 28_100001 - 0x7600 29_1 29_100001 - 0x7800 30_1 30_100001 - 0x7A00 31_1 31_100001 - 0x7C00 1_4 1_400001 - 0xD200 2_4 2_400001 - 0xD400 3_4 3_400001 - 0xD600 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xE000 | 18_1 |
| 21_1 21_100001 - 0x6800 22_1 22_100001 - 0x6A00 23_1 23_100001 - 0x6C00 24_1 24_100001 - 0x7000 25_1 25_100001 - 0x7200 27_1 27_100001 - 0x7400 28_1 28_100001 - 0x7600 29_1 29_100001 - 0x7800 30_1 30_100001 - 0x7C00 1_4 1_400001 - 0xD200 2_4 2_400001 - 0xD400 3_4 3_400001 - 0xD800 5_4 5_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 19_1 |
| 22_1 22_100001 - 0x6A00 23_1 23_100001 - 0x6C00 24_1 24_100001 - 0x7000 25_1 25_100001 - 0x7200 26_1 26_100001 - 0x7400 28_1 28_100001 - 0x7600 29_1 29_100001 - 0x7A00 30_1 30_100001 - 0x7C00 1_4 1_400001 - 0xD200 2_4 2_400001 - 0xD400 3_4 3_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 20_1 |
| 23_1 23_100001 - 0x6C00 24_1 24_100001 - 0x7000 25_1 25_100001 - 0x7200 26_1 26_100001 - 0x7400 27_1 27_100001 - 0x7600 29_1 29_100001 - 0x7800 30_1 30_100001 - 0x7C00 1_4 1_400001 - 0xD200 2_4 2_400001 - 0xD400 3_4 3_400001 - 0xD600 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 21_1 |
| 24_1 24_100001 - 0x6E00 25_1 25_100001 - 0x7000 26_1 26_100001 - 0x7200 27_1 27_100001 - 0x7600 28_1 28_100001 - 0x7800 30_1 30_100001 - 0x7A00 31_1 31_100001 - 0x0200 2_4 2_400001 - 0xD400 3_4 3_400001 - 0xD600 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 22_1 |
| 25_1 25_100001 - 0x7000 26_1 26_100001 - 0x7200 27_1 27_100001 - 0x7400 28_1 28_100001 - 0x7800 30_1 30_100001 - 0x7A00 31_1 31_100001 - 0xD200 2_4 2_400001 - 0xD400 3_4 3_400001 - 0xD800 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 23_1 |
| 26_1 26_100001 - 0x7200 27_1 27_100001 - 0x7400 28_1 28_100001 - 0x7600 29_1 29_100001 - 0x7800 30_1 30_100001 - 0x7A00 31_1 31_100001 - 0x7C00 1_4 1_400001 - 0xD200 2_4 2_400001 - 0xD400 3_4 3_400001 - 0xD600 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xDE00 | 24_1 |
| 27_1 27_100001 - 0x7400 28_1 28_100001 - 0x7600 29_1 29_100001 - 0x7800 30_1 30_100001 - 0x7C00 31_1 31_100001 - 0xD200 2_4 1_400001 - 0xD400 3_4 3_400001 - 0xD800 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDC00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 25_1 |
| 28_1 28_100001 - 0x7600 29_1 29_100001 - 0x7800 30_1 30_100001 - 0x7C00 31_1 31_100001 - 0xD200 2_4 1_400001 - 0xD400 3_4 3_400001 - 0xD600 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 26_1 |
| 29_1 29_100001 - 0x7800 30_1 30_100001 - 0x7A00 31_1 31_100001 - 0xD200 1_4 1_400001 - 0xD400 2_4 2_400001 - 0xD600 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 27_1 |
| 30_1 30_100001 - 0x7A00 31_1 31_100001 - 0xD200 1_4 1_400001 - 0xD400 2_4 2_400001 - 0xD600 3_4 3_400001 - 0xD800 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 28_1 |
| 31_1 31_100001 - 0x7C00 1_4 1_400001 - 0xD200 2_4 2_400001 - 0xD400 3_4 3_400001 - 0xD600 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 29_1 |
| 1_4 1_400001 - 0xD200 2_4 2_400001 - 0xD400 3_4 3_400001 - 0xD600 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 30_1 |
| 2_4 2_400001 - 0xD400 3_4 3_400001 - 0xD600 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 31_1 |
| 3_4 3_400001 - 0xD600 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 1_4 |
| 4_4 4_400001 - 0xD800 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 2_4 |
| 5_4 5_400001 - 0xDA00 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 3_4 |
| 6_4 6_400001 - 0xDC00 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 4_4 |
| 7_4 7_400001 - 0xDE00 8_4 8_400001 - 0xE000 | 5_4 |
| 8_4 8_400001 - 0xE000 | 6_4 |
| | 7_4 |
| 9_4 9_400001 - 0xE200 | 8_4 |
| | 9_4 |
| 10_4 10_400001 - 0xE400 | 10_4 |
| 11_4 11_400001 - 0xE600 Word Address - 1 | 11_4 |
| 12_4 12_400001 - 0xE800 | 12_4 |
| 13_4 13_400001 - 0xEA00 | 13_4 |
| 14_4 14_400001 - 0xEC00 | 14_4 |
| 15_4 15_400001 - 0xEE00 | 15_4 |
| 16_4 16_400001 - 0xF000 | 16_4 |
| 17_4 17_400001 - 0x4200 | 17_4 |
| 18_4 18_400001 - 0x4400 | 18_4 |
| 19_4 19_400001 - 0x4600 | 19_4 |
| 20_4 20_400001 - 0x4800 | 20_4 |
| 21_4 21_400001 - 0x4A00 | 21_4 |
| 22_4 22_400001 - 0x4C00 | 22_4 |

| 23_4 | 23_400001 - | 0x4E00 | |
|---------|-------------|--------|------------------|
| 24_4 | 24_400001 - | 0x5000 | |
| 25_4 | 25_400001 - | 0x5200 | |
| 26_4 | 26_400001 - | 0x5400 | |
| 27_4 | 27_400001 - | 0x5600 | |
| 28_4 | 28_400001 - | 0x5800 | |
| 29_4 | 29_400001 - | 0x5A00 | |
| 30_4 | 30_400001 - | 0x5C00 | |
| 31_4 | 31_400001 - | 0x5E00 | |
| 1_3 | 1_300001 - | 0x2000 | |
| 2_3 | 2_300001 - | 0x2200 | |
| 3_3 | 3_300001 - | 0x2400 | |
| 4_3 | 4_300001 - | 0x2600 | |
| 5_3 | 5_300001 - | 0x2800 | |
| 6_3 | 6_300001 - | 0x2A00 | |
| 7_3 | 7_300001 - | 0x2C00 | |
| 8_3 | 8_300001 - | 0x2E00 | |
| 9_3 | 9_300001 - | 0x3000 | |
| 10_3 | 10_300001 - | 0x3200 | |
| 11_3 | 11_300001 - | 0x3400 | |
| 12_3 | 12_300001 - | 0x3600 | |
| 13_3 | 13_300001 - | 0x3800 | |
| 14_3 | 14_300001 - | 0x3A00 | |
| 15_3 | 15_300001 - | 0x3C00 | |
| 16_3 | 16_300001 - | 0x3E00 | Word Address - 1 |
| 17_3 | 17_300001 - | 0x0200 | |
| 18_3 | 18_300001 - | 0x0400 | |
| 19_3 | 19_300001 - | 0x0600 | |
| 20_3 | 20_300001 - | 0x0800 | |
| 21_3 | 21_300001 - | 0x0A00 | |
| 22_3 | 22_300001 - | 0x0C00 | |
| 23_3 | 23_300001 - | 0x0E00 | |
| 24_3 | 24_300001 - | 0x1000 | |
| 25_3 | 25_300001 - | 0x1200 | |
| 26_3 | 26_300001 - | 0x1400 | |
| 27_3 | 27_300001 - | 0x1600 | |
| 28_3 | 28_300001 - | 0x1800 | |
| 29_3 | 29_300001 - | 0x1A00 | |
| 30_3 | 30_300001 - | 0x1C00 | |
| 31_3 | 31_300001 - | 0x1E00 | |
| LS Area | LS0000 - | 0x4000 | Word Address |

<FA-M3 (1:1 communication)*>

| | Device | Word Address | Device code (HEX) | Address code |
|------------|-------------------------|--------------|----------------------|---|
| | Input Relay | X00201~ | Х | Х |
| | Output Relay | Y00201~ | Х | Х |
| | Internal Relay | 10001~ | 9000 | Save as word address value minus 1 divided by 16. |
| Bit Device | Joint Relay | E0001~ | B800 | Save as word address value minus 1 divided by 16. |
| | Special Relay | M0001~ | B000 | Save as word address value minus 1 divided by 16. |
| | Link Relay | L00001~ | C 000 | Save as word address value minus 1 divided by 16. |
| | Timer (current value) | TP0001~ | 6000 | Save as word address value minus 1. |
| | Timer (set velue) | TS0001~ | 6800 | Save as word address value minus 1. |
| | Coutner (current value) | CP0001~ | 7000 | Save as word address value minus 1. |
| | Counter (set value) | CS0001~ | 7800 | Save as word address value minus 1. |
| | Data Register | D0001~ | 0000 | Save as word address value minus 1. |
| Word | | B00001~ | 2000 | Save as word address value minus 1. |
| Device | File Register | B65537~ | 2800 | Save as word address value minus 65537. |
| | | B131073~ | 1000 | Save as word address value minus 131073. |
| | | B196609~ | 1800 | Save as word address value minus 196609. |
| | Joint Register | R0001~ | 0800 | Save as word address value minus 1. |
| | Special Register | Z001~ | 5000 | Save as word address value minus 1. |
| | Link Register | W00001~ | 5800 | Save as word address value minus 1. |
| | LS area | LS0000~ | 4000 | Word Address |

^{*} Only CPU No. 1 is available.

<FA-M3 (1:n communication)*>

| | Device | Word Address | Device code (HEX) | Address code |
|----------------|-------------------------|--------------|----------------------|---|
| | Input Relay | X00201~ | Х | Х |
| | Output Relay | Y00201~ | Х | Х |
| | Internal Relay | 100001~ | 9000 | Save as word address value minus 1 divided by 16. |
| Bit Device | Joint Relay | E0001~ | B800 | Save as word address value minus 1 divided by 16. |
| | Special Relay | M0001~ | B000 | Save as word address value minus 1 divided by 16. |
| | Link Relay | L00001~ | C 000 | Save as word address value minus 1 divided by 16. |
| | Timer (current value) | TP0001~ | 6000 | Save as word address value minus 1. |
| Word Device | Timer (set velue) | TS0001~ | 6800 | Save as word address value minus 1. |
| | Coutner (current value) | CP0001~ | 7000 | Save as word address value minus 1. |
| | Counter (set value) | CS0001~ | 7800 | Save as word address value minus 1. |
| | Data Register | D0001~ | 0000 | Save as word address value minus 1. |
| | File Register | B0001~ | 2000 | Save as word address value minus 1. |
| | Joint Register | R0001~ | 0800 | Save as word address value minus 1. |
| | Special Register | Z001~ | 5000 | Save as word address value minus 1. |
| | Link Register | W0001~ | 5800 | Save as word address value minus 1. |
| | LS area | LS0000~ | 4000 | Word Address |

^{*} Only CPU No. 1 in station No. 1 is available.

<FA-M3 (Ethenet communication)*>

| | Device | Word Address | Device code (HEX) | Address code | |
|----------------|-------------------------|--------------|----------------------|---|--|
| Bit Device | Input Relay | X00201~ | Х | X | |
| | Output Relay | Y00201~ | Х | X | |
| | Internal Relay | 100001~ | 9000 | Save as word address value minus 1 divided by 16. | |
| | Joint Relay E0001~ | | B800 | Save as word address value minus 1 divided by 16. | |
| | Special Relay M0001~ | | B000 | Save as word address value minus 1 divided by 16. | |
| | Link Relay | L00001~ | C 000 | Save as word address value minus 1 divided by 16. | |
| | Timer (current value) | TP0001~ | 6000 | Save as word address value minus 1. | |
| | Timer (set velue) | TS0001~ | 6800 | Save as word address value minus 1. | |
| | Coutner (current value) | CP0001~ | 7000 | Save as word address value minus 1. | |
| | Counter (set value) | CS0001~ | 7800 | Save as word address value minus 1. | |
| | Data Register | D0001~ | 0000 | Save as word address value minus 1. | |
| Word Device | File Register | B0001~ | 2000 | Save as word address value minus 1. | |
| | | B65537~ | 2800 | Save as word address value minus 65537. | |
| | | B131073~ | 1000 | Save as word address value minus 131073. | |
| | | B196609~ | 1800 | Save as word address value minus 196609. | |
| | Joint Register | R0001~ | 0800 | Save as word address value minus 1. | |
| | Special Register | Z001~ | 5000 | Save as word address value minus 1. | |
| | Link Register | W0001~ | 5800 | Save as word address value minus 1. | |
| | LS area | LS0000~ | 4000 | Word Address | |

^{*} Only CPU No. 1 is available

♦ DeviceNet Communication

| | Device | Word Address | Device code (HEX) | Address code |
|-------------|---------|--------------|----------------------|--------------|
| Word Device | LS area | LS0000 ~ | 4000 | Word Address |

■ Controllers

<UT2000/UT3000/Green Series>

| | Device | Word Address | Device Code (HEX) | Address Code |
|-------------|---------|--------------|----------------------|---|
| Word Device | D | 0001 ~ | 0000 | Word Address -1 |
| Bit Device | I | 0001 ~ | 9000 | Save as word address -1 value divided by 16 |
| Word Device | LS Area | LS6000 ~ | 4000 | Woord Address |

<UT100>

| | Device | Word Address | Device Code (HEX) | Address Code |
|-------------|------------|--------------|----------------------|-----------------|
| Word Device | D Register | d0001 ~ | 3000 | Word Address -1 |
| Word Device | LS Area | LS0000 ~ | 4000 | Word Address |