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 ▸ Modicon

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

<Modicon Modbus Master>

Device	Max. No. of Consecutive Address
Output Bit	80 Words
Input Bit	
Output Register	
Input Register	

<Modicon Modbus Plus>

Device	Max. No. of Consecutive Address
Output Bit	80 Words
Input Bit	
Output Register	
Input Register	

<Modicon Modbus Slave>

Device	Max. No. of Consecutive Address
Output Register	125 Words