

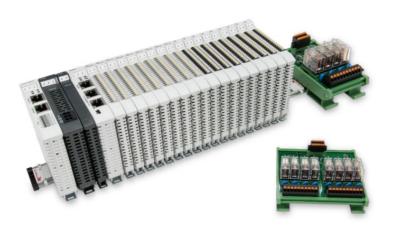
DAUDIN FX3U Modbus RTU Connection User Manual

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Modbus RTU Connection Operating Manual







and FX3U

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Remote I/O Module System Configuration List

Part No.	Specification	Description
GFMS-RM01S	Master Modbus RTU, 1 Port	Main Controller
GFDI-RM01N	Digital Input 16 Channel	Digital Input
GFDO-RM01N	Digital Output 16 Channel / 0.5A	Digital Output
GFPS-0202	Power 24V / 48W	Power Supply
GFPS-0303	Power 5V / 20W	Power Supply
0170-0101	8 pin RJ45 female connector/RS-485 Interface	Interface Module

1.1 Product Description

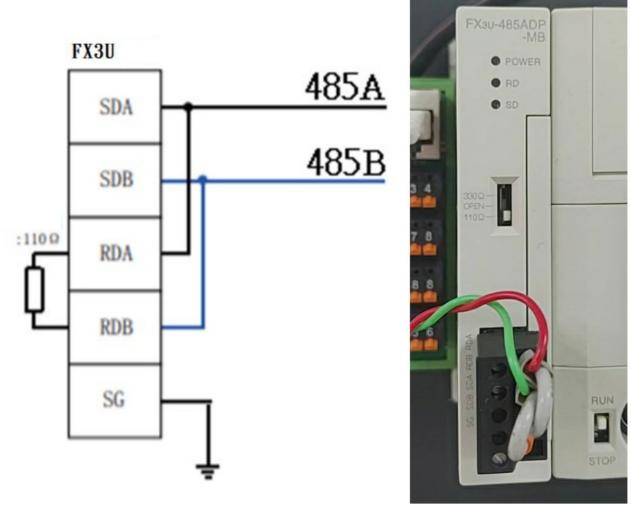
- I. The interface module is used externally to convert FX3U's 485 communication module (Modbus RTU) to a RJ45 connector
- II. The main controller is in charge of the management and dynamic configuration of I/O parameters and so on.
- III. The power module and interface module are standard for remote I/Os and users can choose the model or brand they prefer.

MLESEC-FX3U Connection Setup

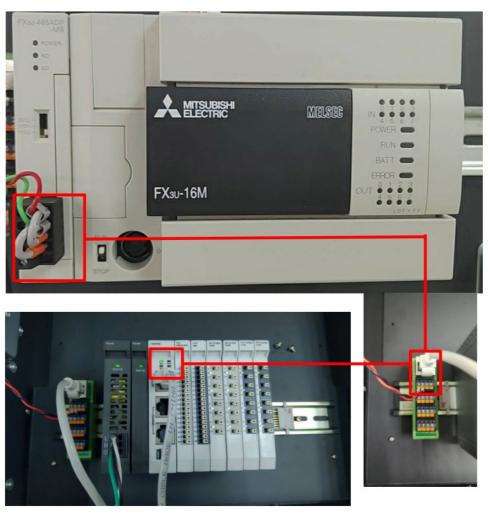
This section details how to use the GX Works2 software to connect FX3U's communication module FX3U-485ADP-MB and ID-GRID7. For more details, please refer to the "MODBUS Communication" chapter of the FX3S·FX3G·FX3GC·FX3U·FX3UC Series Micro-Programmable Controller User's Manual

2.1 FX3U Hardware Connection

I. The connector is in the communication module on the left side of the FX3U and uses RS485 connections

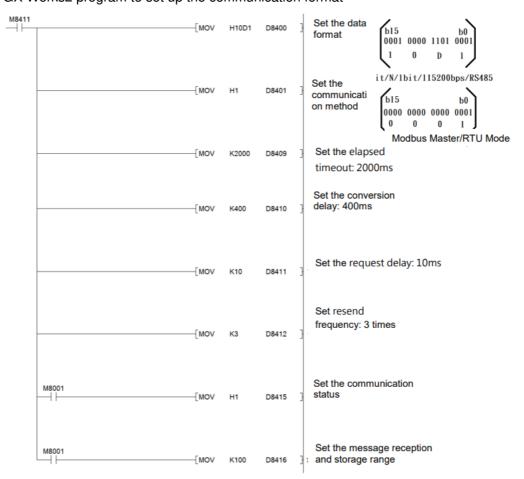


II. Connect the COM (RS485 A/B) on the left side of the FX3U to the interface module (1/2) to convert it to a RJ45 connector before connecting it to the main controller



2.2 FX3U Connection Setup

I. Launch the GX Works2 program to set up the communication format



II. Reading of the communication register

—[ADP	RW H1	Н3	H1000	K1	D200	}
Command Station No.	Functions a Function code	re listed belo Register for reading		Register for storage	Initial address the commexecution	of and

This line of code is equivalent to Modbus Function Code				
Station No.	Function code	Register for reading	Data Amount for Reading	
0.1	0.3	10.00	00.01	

III. Writing of the communication register

[ADF	PRW H1	H10	H2000	K1	D300	}
		re listed below Register for writing	Data	_	of the	
			for Writing		execution execution	

This line of code is equivalent to Modbus Function Code				
Station No.	Station No. Function code Register for reading		Data Amount for Reading	
0.1	10	20.00	00.01	

Notes:

*iO-GRID** 's first GFDI-RM01N has the register address at 1000(HEX)

*iO-GRID** 's first GFDO-RM01N has the register address at 2000(HEX)

IV. Programming Example:

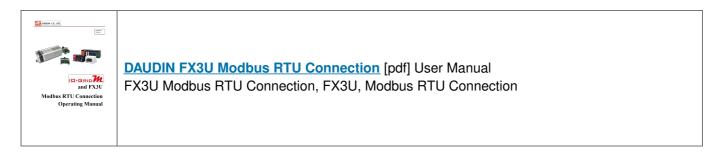
Control with one GFDI-RM01N and one GFDO-RM01N

When DI_1000.0 has received a signal and is triggered, DO_2000.0 will output a signal as it is connected

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46 | M8000 | M
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Documents / Resources



Manuals+,