1. **PLC Setting**

1. Computer and PLC Connection

1) Connect to your PC and PLC to the Ethernet.
2) Execute GX Works3, create new connection and select series FX5CPU. Model Type: FX5U.

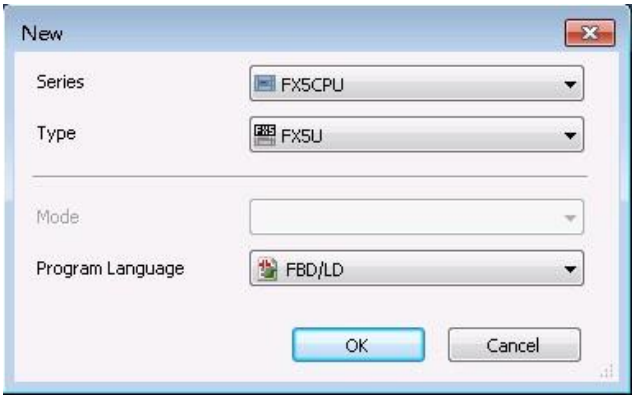


Figure 3.1 New Connection

3) Select Online => Current Connection Destination

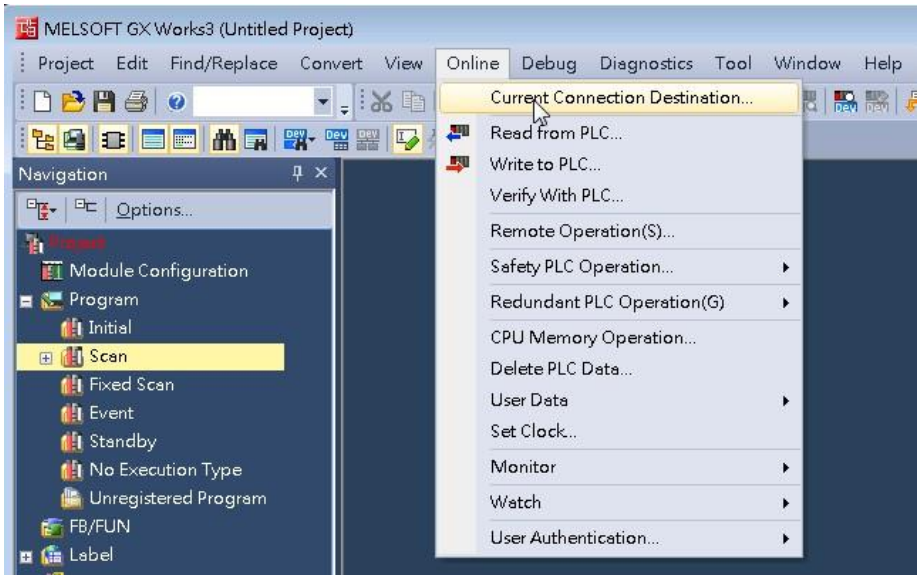
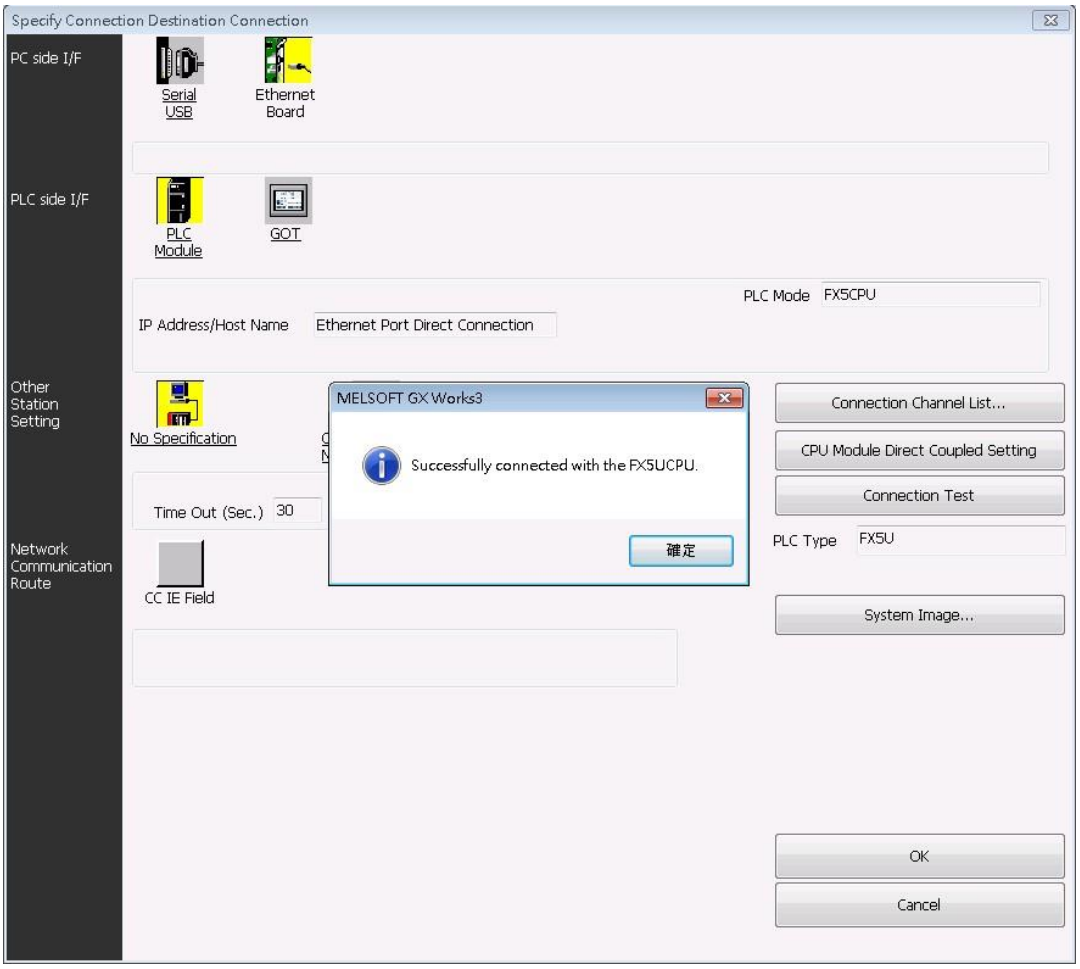


Figure 3.2 Current Connection Destination

4) Click “Connection Test” Button, test if your PC has connected to PLC. As figure 3.3. If the connection goes down, please refer to the PLC manual.



Connection Test

2. Ethernet Port Connection

1. Configure IP Address.

- Double Click Navigation => Parameter => Module Parameter => Ethernet Port. And the IP Setting Page will show up.
- Set IP Address Subnet Mask and Default Gateway.
- Double Click Detailed Setting and it will show the protocol setting page.

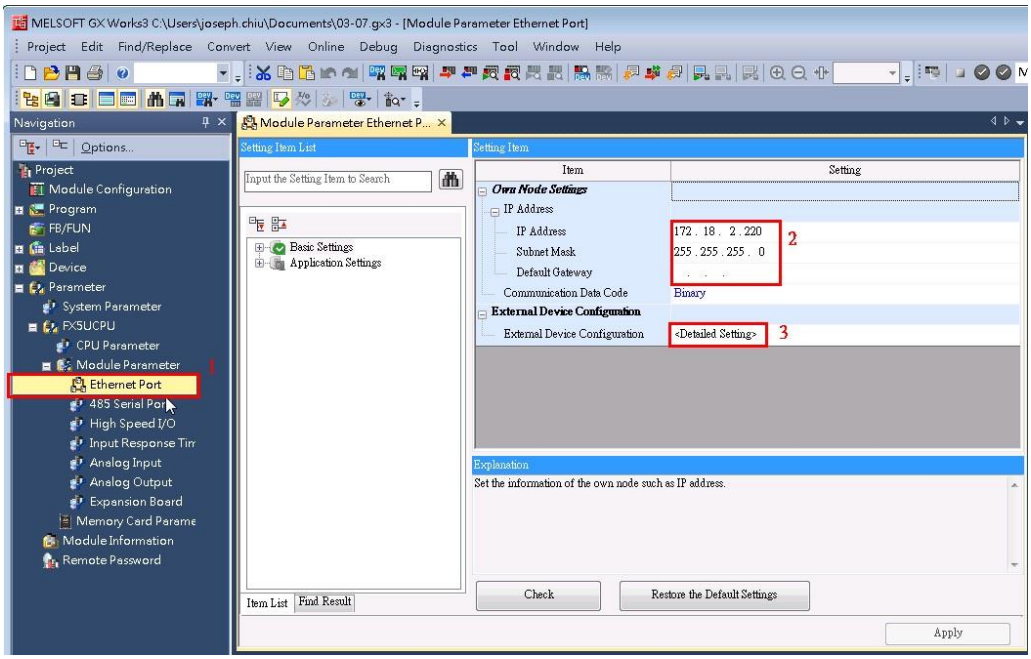


Figure 3.4 IP Setting

2. Configure Protocol and the Comport: In Module List. Move the SLMP Connection Module from **1** to **2**, and enter the Port No.

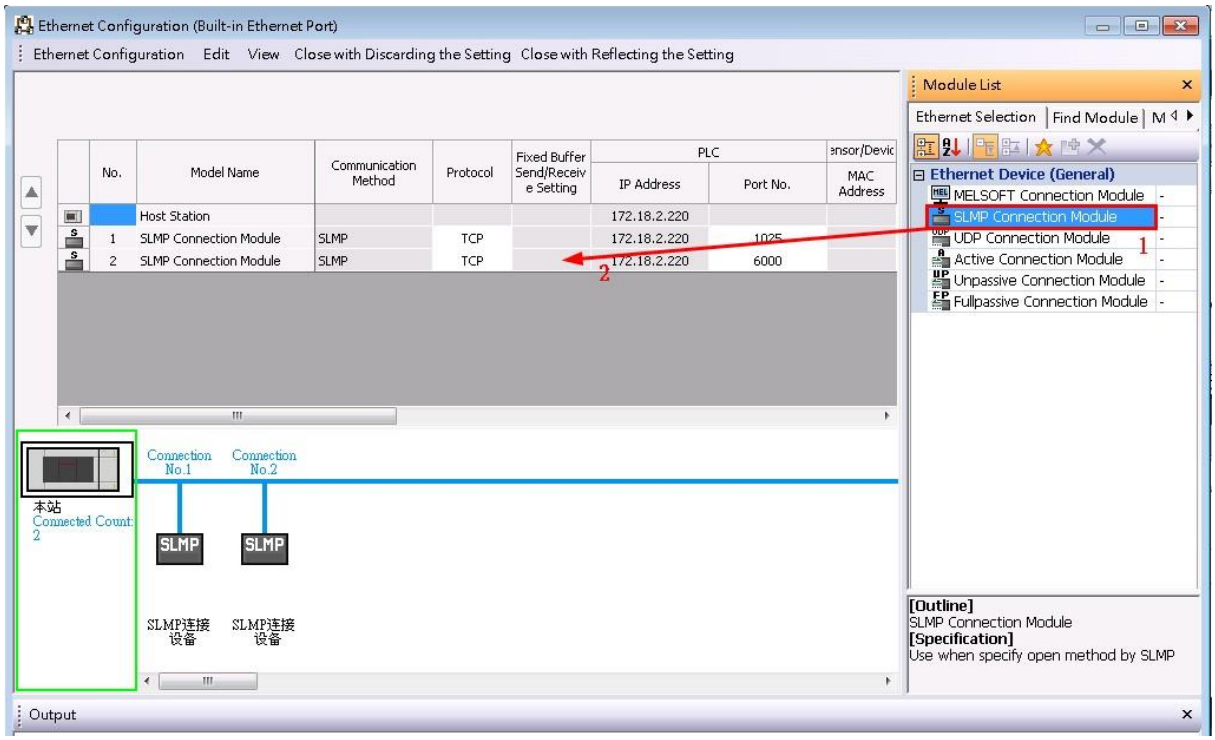


Figure 3.5 Module List Setting

3. RS-485 Serial Port Connection

1. Double Click Navigation => FX5UCPU => Module Parameter => 485 Serial Port.

Then the RS-485 setting page will show up. Basic Setting:

- Communication Protocol: Choose **MC Protocol**.
- Sum Check Code: Choose **Added**.
- Other Setting, Such as Data Length, Parity, Stop Bit, Baud Rate …, etc. should be identical with Edgelink COM port setting.

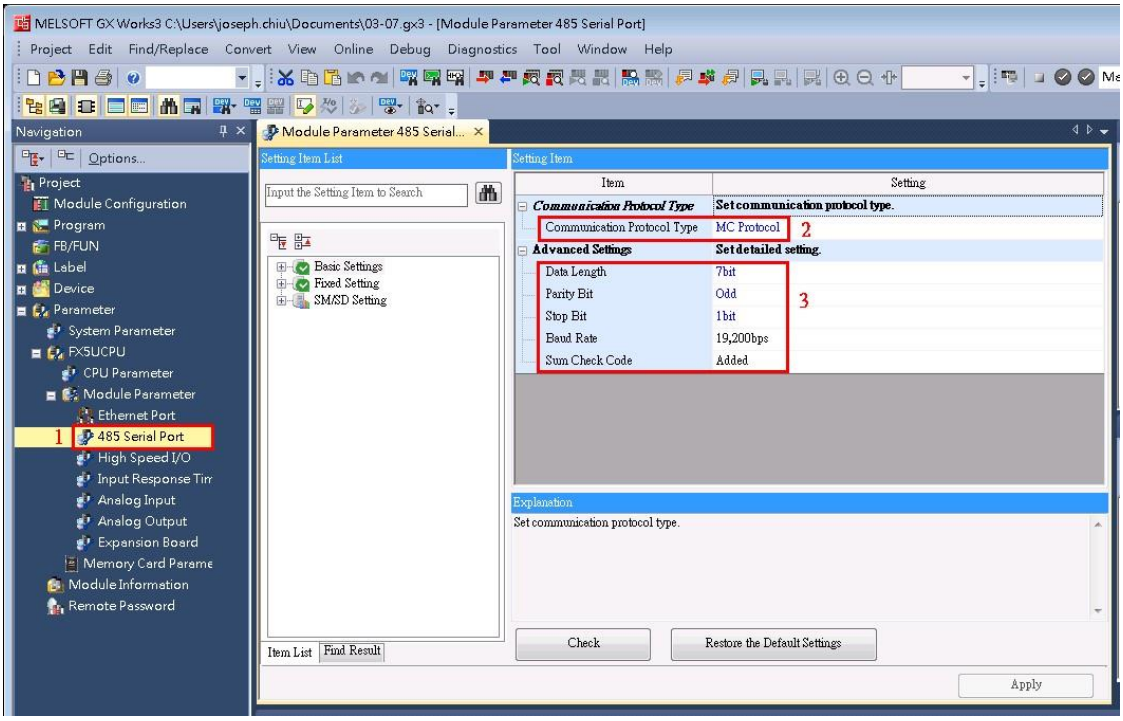


Figure 3.6 RS-485 Basic Setting

2. Fixed Setting:

- Set Station Number.
- Message Pattern: Choose **Pattern 4**.

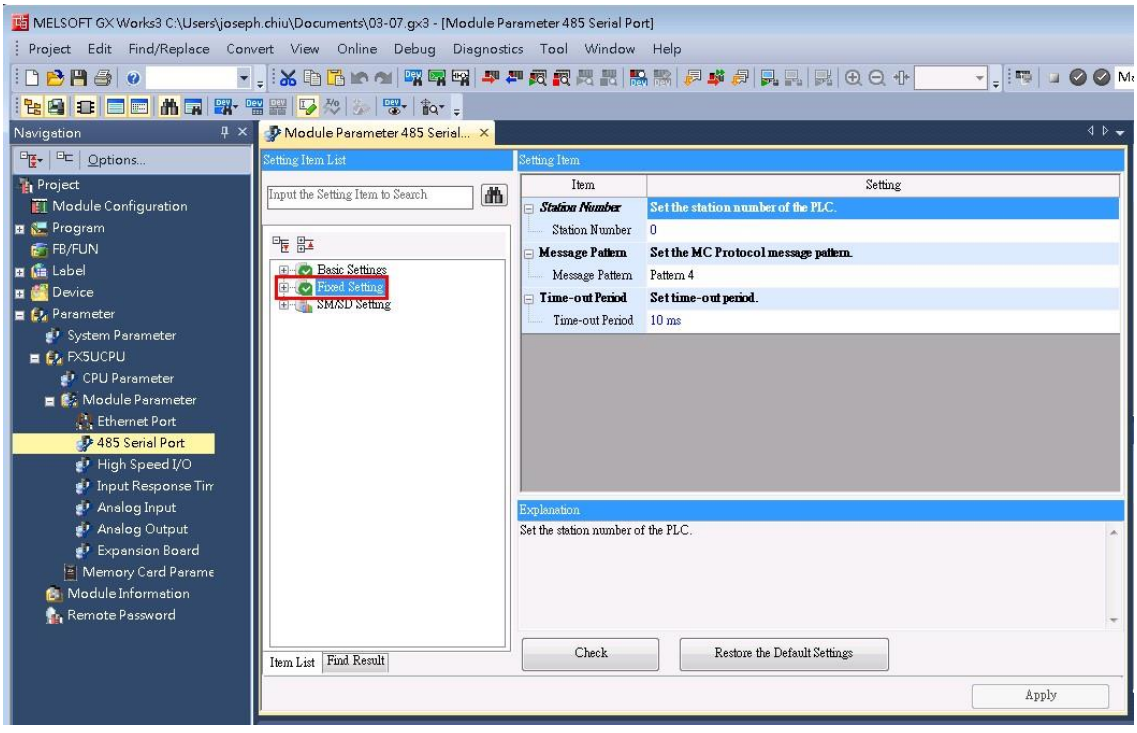


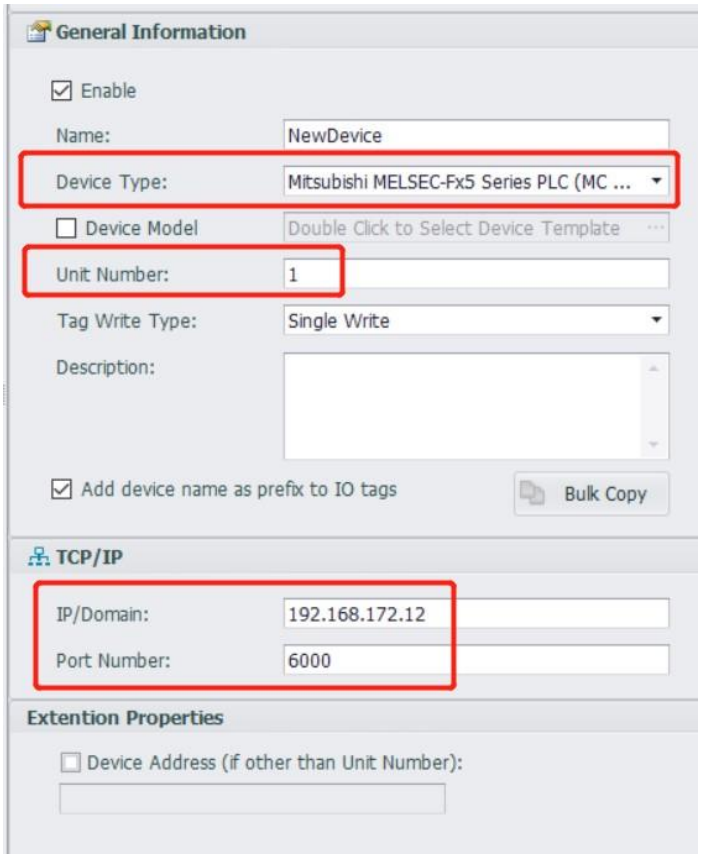
Figure 3.6 RS-485 Fixed Setting

3. Reboot the PLC after the setting is downloaded.

1. Edgelink Setting

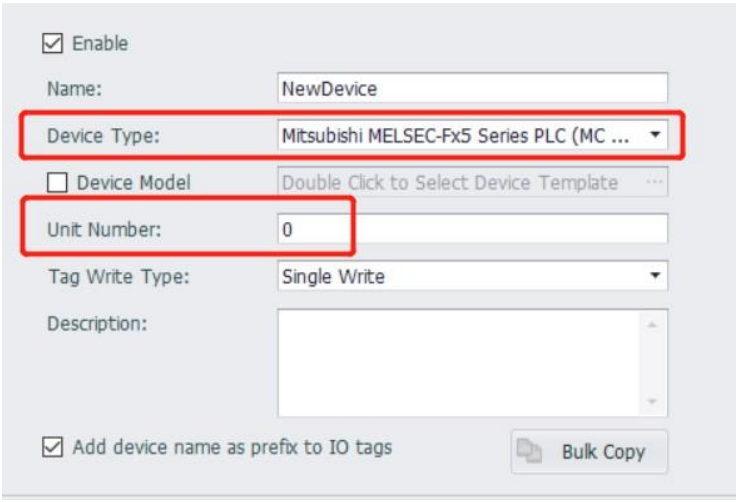
2.1 Device Configuration

1） Ethernet



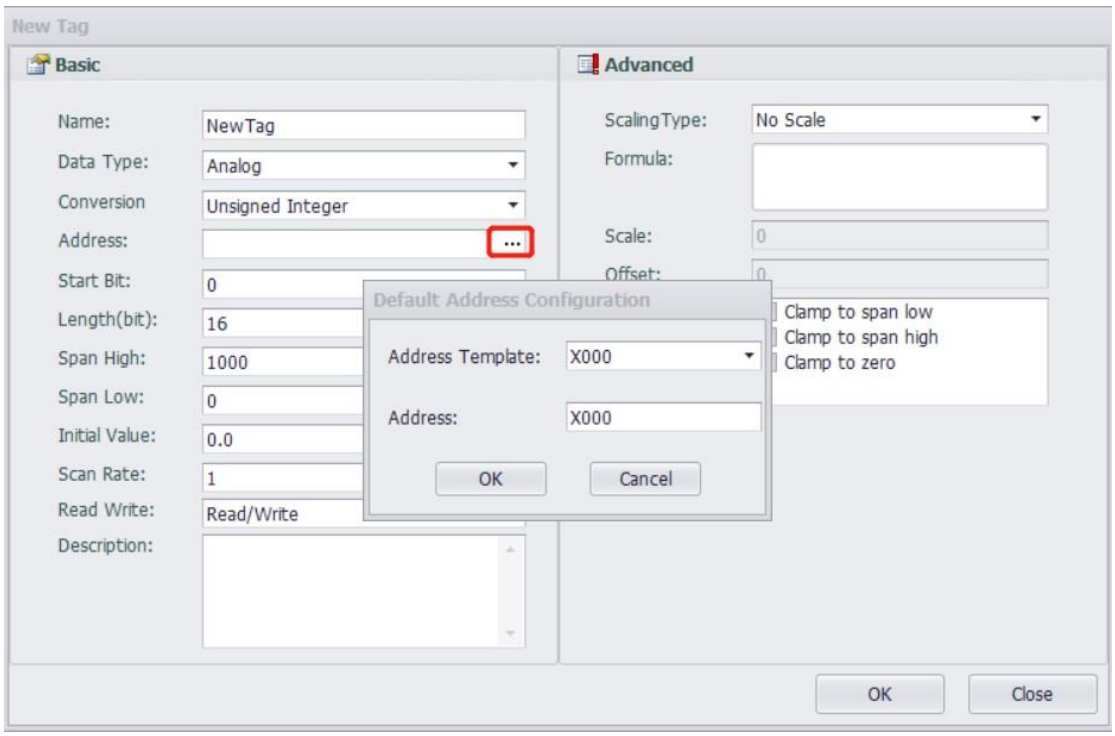
- Device type: Select **MELSEC-Fx5**.
- Unit Number: Anything is OK. It is meaningless in Ethernet.

2) Serial



- Device type: Select **MELSEC-Fx5**.
- Unit Number: Station number of PLC.

3.2 Add Tags



We have address Template for customer to use. Below is the details.

Parameter	Type	Description
CN	Analog	Counter Current
D	Analog	Data Register

Parameter	Type	Description
R	Analog	File Register
SD	Analog	Special Register
SN	Analog	Retentive Timer Current
SW	Analog	Special Link Register
TN	Analog	Timer Current
W	Analog	Link Register
Z	Analog	Index Register
ZR	Analog	File Register
B	Digital	Link Relay
CC	Digital	Counter Coil
CS	Digital	Counter Contact
DX	Digital	Direct Inout
DY	Digital	Direct Output
F	Digital	Annunciator
L	Digital	Latch Relay
M	Digital	Internal Relay
S	Digital	Step Relay
SB	Digital	Special Link Relay
SC	Digital	Retentive TImer Coil
SM	Digital	Special Relay
SS	Digital	Rententive Timer Contact
TC	Digital	Timer Coil
TS	Digital	Timer Contact
V	Digital	Edge Relay
X	Digital	Inout Relay
Y	Digital	Output Relay
TEXT	Text	TEXT