

```
[ hide ]
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- ## 7.1 References



MP2300Siec PLC No Response

MotionWorks IEC Express - UNTITLED - (Global Variables Configuration Resource)

File Edit View Project Build Layout Options Extras Window ?

Open Proj... Save Zoom In Zoom Out Project Tree Messages EditVars References Variables... Meta Debug on/off Project Co. Help

Physical Hardware
 Configuration: MP2000_2m
 Resource: MP2000aw
 Tools
Global Variables
 IO_Configuration

| Name | Type | Usage | Description | Address | Init | Retain | FNC | OPC | TB |
|---|---------------|-----------|-------------|-----------|------|--------|-----|-----|----|
| PLC_TASK_6 | EQT_TASK_IN.. | VAR_GLO.. | | %MBI.1324 | | | | | |
| PLC_TASK_7 | EQT_TASK_IN.. | VAR_GLO.. | | %MBI.1388 | | | | | |
| PLC_TASK_8 | EQT_TASK_IN.. | VAR_GLO.. | | %MBI.1452 | | | | | |
| PLC_TASK_9 | EQT_TASK_IN.. | VAR_GLO.. | | %MBI.1516 | | | | | |
| PLC_TASK_10 | EQT_TASK_IN.. | VAR_GLO.. | | %MBI.1580 | | | | | |
| PLC_TASK_11 | EQT_TASK_IN.. | VAR_GLO.. | | %MBI.1644 | | | | | |
| PLC_TASK_12 | EQT_TASK_IN.. | VAR_GLO.. | | %MBI.1708 | | | | | |
| PLC_TASK_13 | EQT_TASK_IN.. | VAR_GLO.. | | %MBI.1772 | | | | | |
| PLC_TASK_14 | EQT_TASK_IN.. | VAR_GLO.. | | %MBI.1836 | | | | | |
| PLC_TASK_15 | EQT_TASK_IN.. | VAR_GLO.. | | %MBI.1900 | | | | | |
| PLC_TASK_16 | EQT_TASK_IN.. | VAR_GLO.. | | %MBI.1964 | | | | | |
| User Variables | | | | | | | | | |
| NewVu260 | DWORD | VAR_GLO.. | | | | | | | |
| %EIP Output Instance #101, Qty: 128 Bytes, Address Range: %QB21488-%QB21615 | | | | | | | | | |
| %EIP Output Instance #102, Qty: 256 Bytes, Address Range: %QB22000-%QB22255 | | | | | | | | | |
| %EIP Output Instance #103, Qty: 128 Bytes, Address Range: %QB22512-%QB22639 | | | | | | | | | |
| %EIP Output Instance #104, Qty: 256 Bytes, Address Range: %QB23024-%QB23279 | | | | | | | | | |
| %EIP Output Instance #105, Qty: 128 Bytes, Address Range: %QB23536-%QB23663 | | | | | | | | | |
| %EIP Output Instance #106, Qty: 256 Bytes, Address Range: %QB24048-%QB24303 | | | | | | | | | |
| %EIP Input Instance #111, Qty: 128 Bytes, Address Range: %IB21488-%IB21615 | | | | | | | | | |
| %EIP Input Instance #112, Qty: 256 Bytes, Address Range: %IB22000-%IB22255 | | | | | | | | | |
| NewVu261 | DWORD | VAR_GLO.. | | %ID2252 | | | | | |
| NewVu257 | DWORD | VAR_GLO.. | | %ID22000 | | | | | |
| %EIP Input Instance #113, Qty: 128 Bytes, Address Range: %IB22512-%IB22639 | | | | | | | | | |
| %EIP Input Instance #114, Qty: 256 Bytes, Address Range: %IB23024-%IB23279 | | | | | | | | | |
| %EIP Input Instance #115, Qty: 128 Bytes, Address Range: %IB23536-%IB23663 | | | | | | | | | |
| %EIP Input Instance #116, Qty: 256 Bytes, Address Range: %IB24048-%IB24303 | | | | | | | | | |

Specifications

- Product: YASKAWA MP2300Siec (Ethernet)
- Website: [Yaskawa Website](http://www.yaskawa.com/site/home.nsf/home/home.html)
- PLC Type: Ethernet
- PLC I/F Port no.: 44818
- Assembly Instance:
 - Input: 101
 - Output: 111
- Multicast: Disable
- Electronic key: Use

YASKAWA MP2300Siec (Ethernet)

Website: <http://www.yaskawa.com/site/home.nsf/home/home.html>

HMI Setting:

| Parameters | Recommended | Options | Notes |
|-----------------------------|-------------------------------|----------------------------------|-------|
| PLC type | YASKAWA MP2300Siec (Ethernet) | | |
| PLC I/F | Ethernet | | |
| Port no. | 44818 | | |
| Assembly instance | Input::101 Output:111 | Input::101~106 Output:111~116 | |
| Multicast | Disable | Disable / Enable | |
| Electronic key | Use | Use / None | |
| | | | |
| Online simulator | YES | | |
| Multiple device connections | NO | | |

PLC Setting:

MP2300Siec-Motion Works IEC Express (YASKAWA) Settings:

Step 1. Before HMI communicates with MP2300Siec using Ethernet/IP, the Instance Input and Instance Output of MP2300Siec device must be set correctly. Multiple Instances are allowed to be built at one time, please click [Save] after setting.

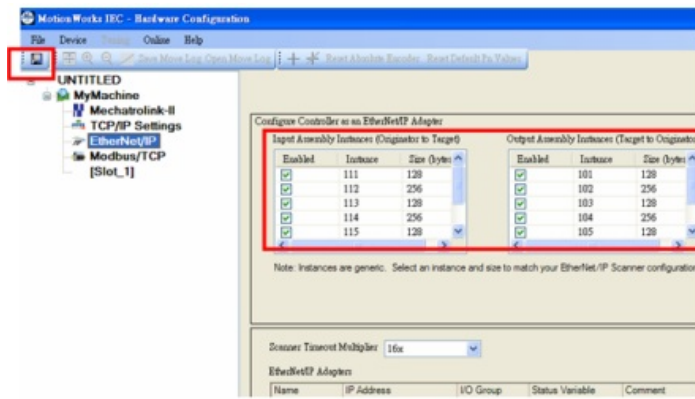


Fig. 1 Assembly Instances

Step 2. Global Variables will automatically add in E/IP Input and Output data, Input and Output data name and address type can be user-defined.

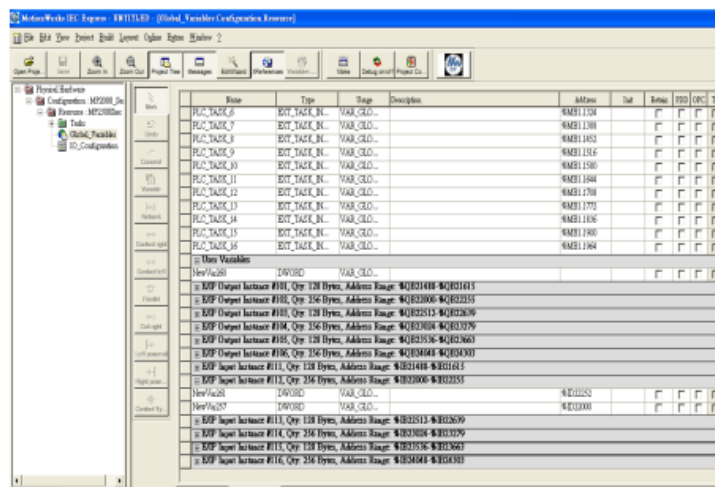


Fig. 2 Global Variables

Step 3. When download Project to device (MP2300Siec), please go to (Fig. 3) Resource->Settings to access setting dialog (Fig. 4) for setting MP2300Siec IP address.

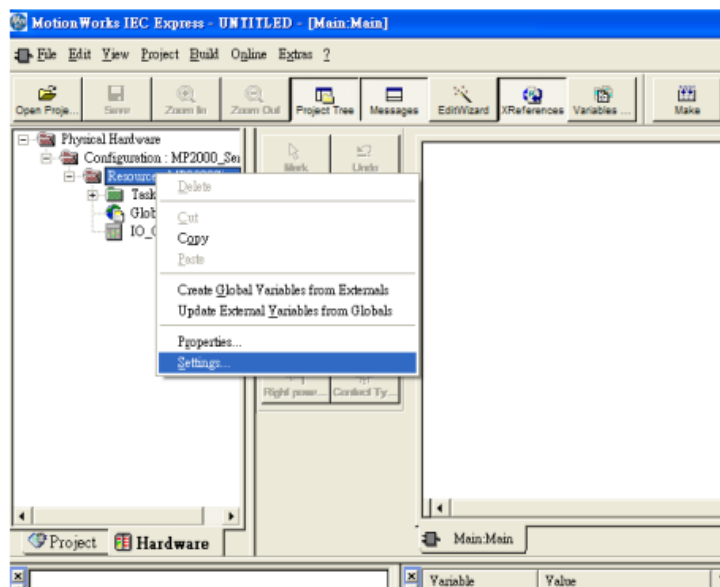


Fig. 3 Motion Works IEC Express – Settings

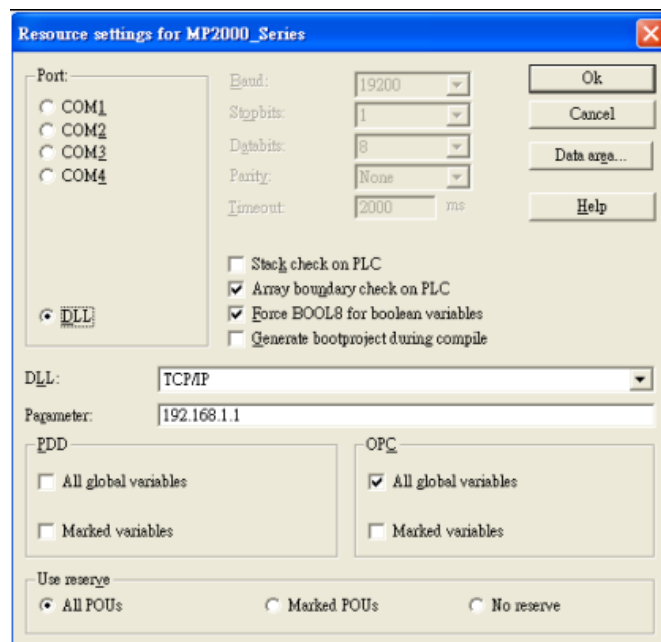


Fig. 4 Resource Settings

Step 4. Start compilation

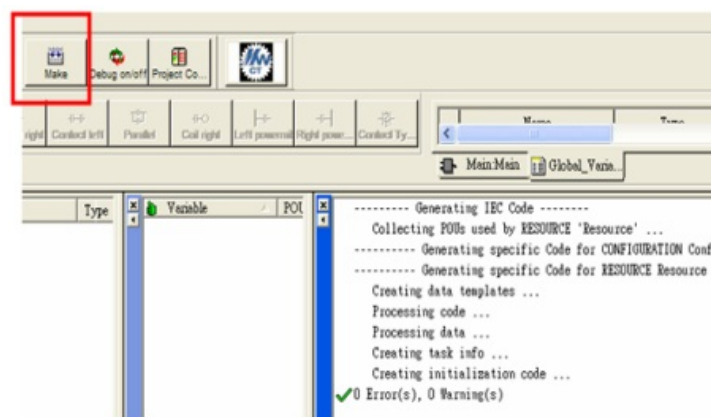


Fig. 5 Editing Screen

Step 5. Download project to device- MP2300Siec, and execute Cold

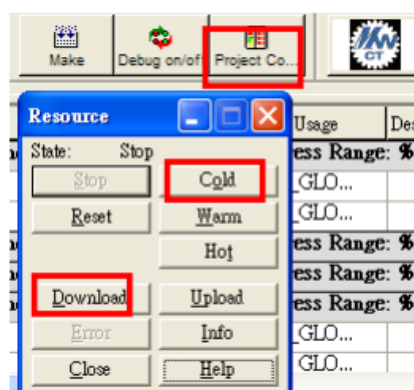


Fig. 6 Project Downloading

You may use one of the two drivers to connect Yaskawa MP2300Siec:

1. Yaskawa MP2300Siec driver.
2. Rockwell EtherNet/IP (CompactLogix) – Free Tag Names driver.

Yaskawa MP2300Siec driver.

- Step 1. System Parameter Settings
- Open EasyBuilder project, as shown in Fig. 7, Assembly Instance and Size must match the software default factory settings, and please don't select UDP. Fig.8 below shows how
- HMI Input / Output address is mapped to MP2300Siec device.

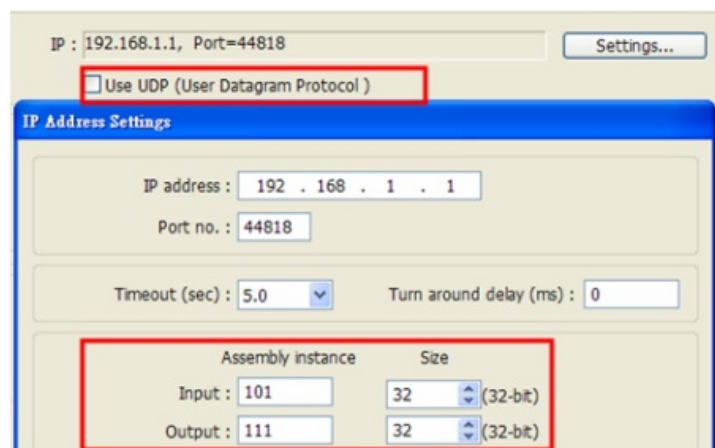


Fig. 7 Instance Setting

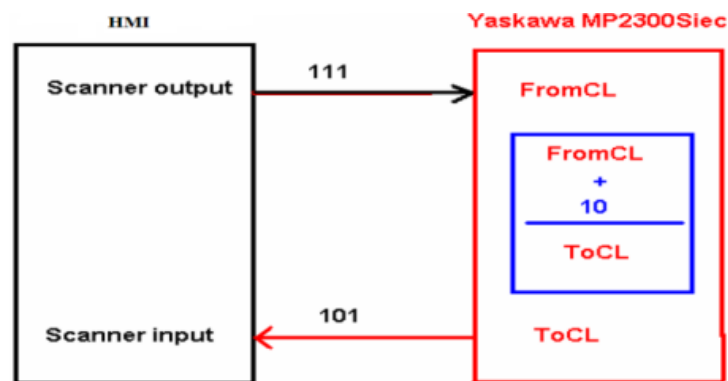


Fig.8 HMI and MP2300Siec I/O Mapping

Step 2. Address Setting: Instance 101 and Instance 111 are defined as 128Bytes, on the project window , WORD objects can be used, with data typed defined as 32-Bit Unsigned, Input addresses set to 0 2 4 6.....62 for reading Instance 101 data

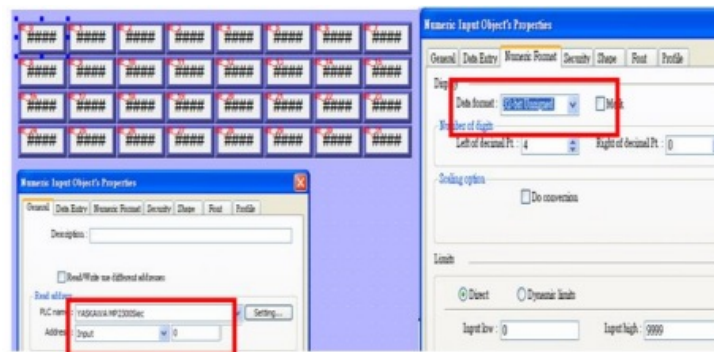


Fig. 9 Address Setting

Rockwell EtherNet/IP (CompactLogix) – Free Tag Names driver. Step 1. In EasyBuilder8000/EasyBuilder Pro project, when using Rockwell EIP driver to import CSV file (as in Fig. 10), please open Structure Editor (Fig. 11), and right click on Module Defined to add New Data Type.

| TYPE | SCOPE | NAME | DESCRIPTION | DATATYPE | SPECIFIER |
|------|-------|------------|-------------|-----------------------------------|-----------|
| TAG | | MF2300SecC | | AB:ETHERNET_MODULEC0 | |
| TAG | | MF2300SecI | | AB:ETHERNET_MODULE_DINT_128ByteC0 | |
| TAG | | MF2300SecO | | AB:ETHERNET_MODULE_DINT_128ByteC0 | |

Fig. 10 RSLogix 5000 (Rockwell Software) Export Free Tag CSV File

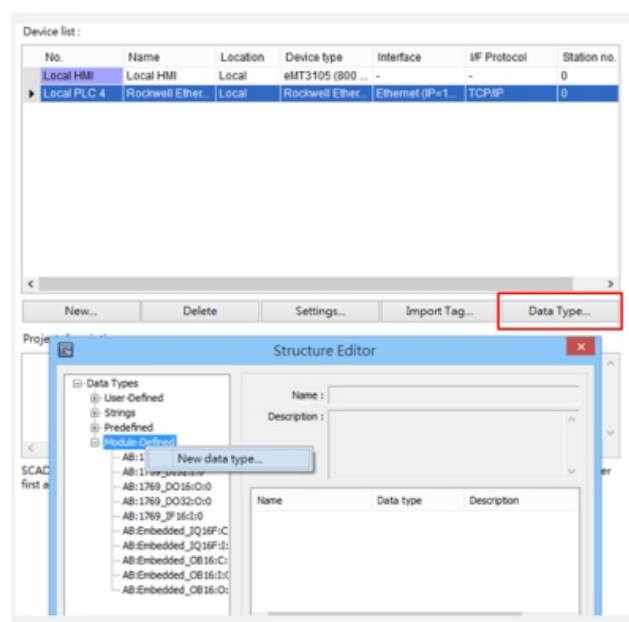


Fig.11 Structure Editor

Step 2. As in Fig 12, in Structure Editor add Name of the new data type. The Name must

be set identically to the Data Type in Free Tag CSV file. As in Fig 14, Data Member Name must be set identically to the Rockwell software (as Data in Fig. 13), then click [Save] (Fig. 15).

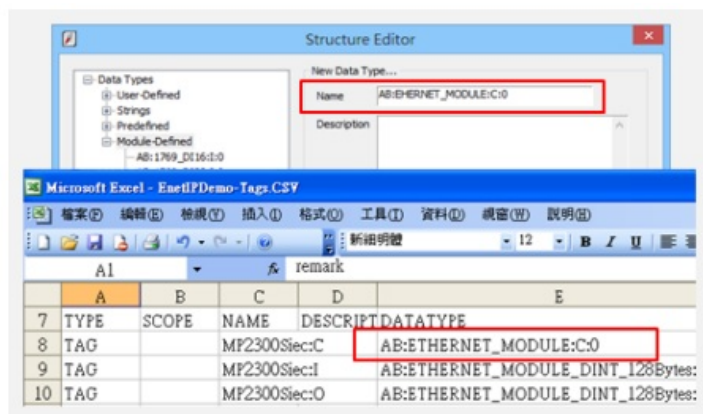


Fig.12 Structure Editor

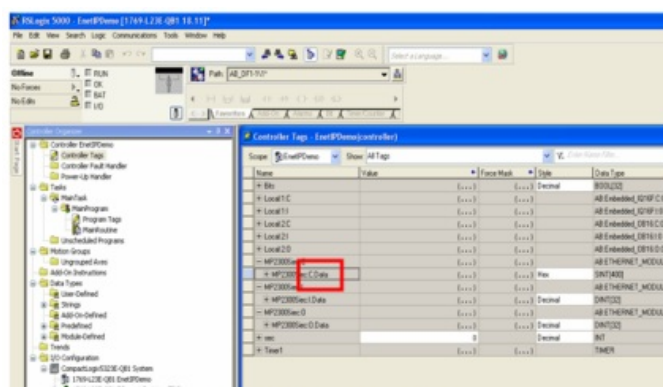


Fig.13 Tag Information

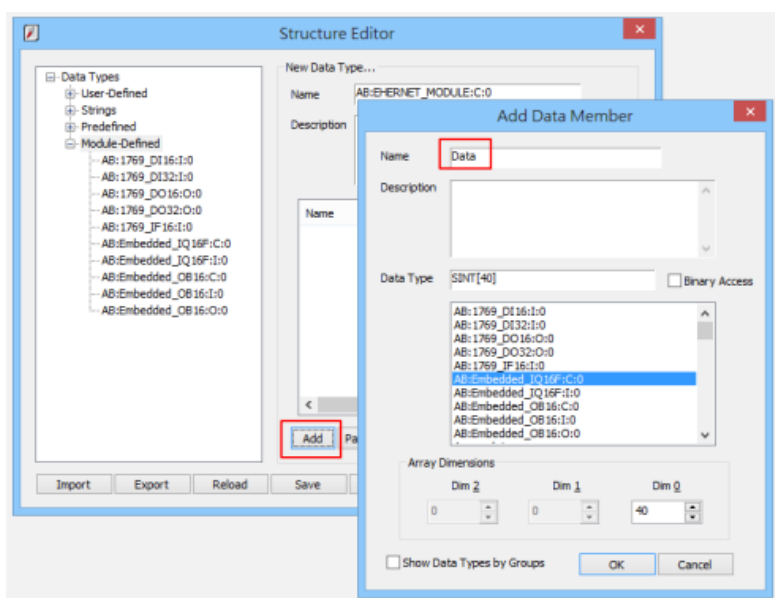


Fig.14 Add Data Member - Name Tag Information

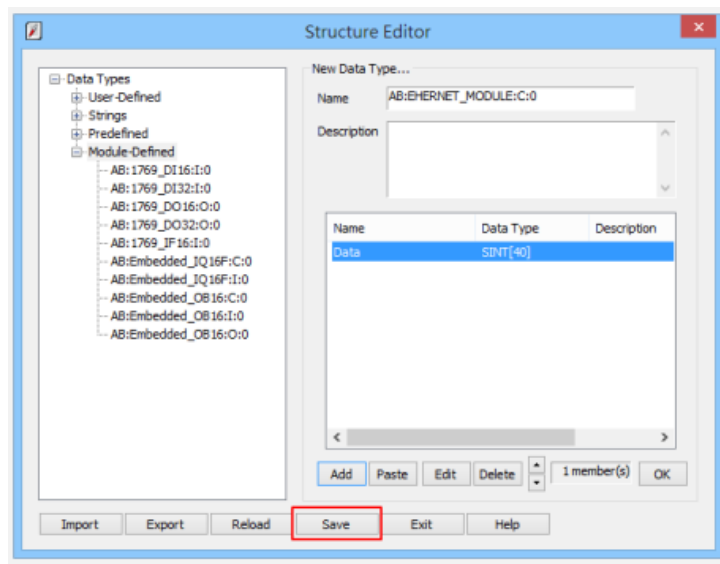


Fig. 15 Add Data Member-Settings - Save

Step 3. Import CSV file, Tag Information can be viewed from object address.

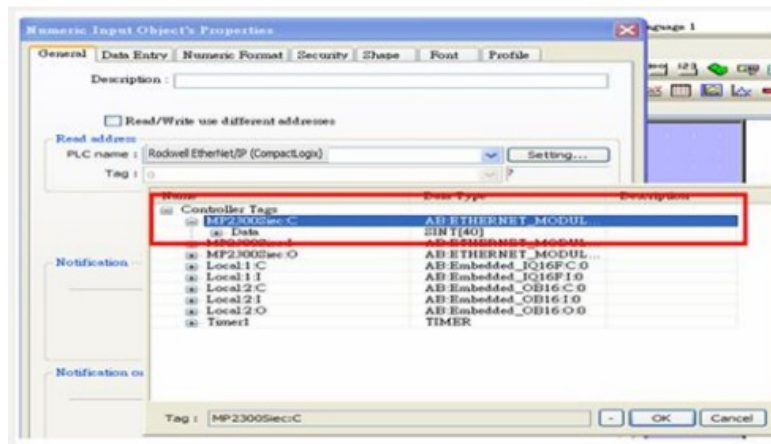


Fig.16 Tag Information

Device Address

| Bit/Word | Device type | Format | Range | Memo |
|----------|-------------|--------|-----------|------|
| B | Input_Bit | DDDdd | 0 ~ 51215 | |
| B | Output_Bit | DDDdd | 0 ~ 51215 | |
| DW | Input | DDD | 0 ~ 512 | |
| DW | Output | DDD | 0 ~ 512 | |

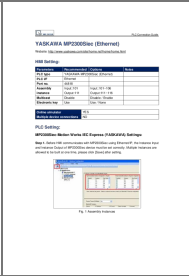
Wiring Diagram



FAQS

after setting each Instance. " image-0="" headline-1="p" question-1="Q: What is the recommended option for the Electronic key?" answer-1="A: It is recommended to use the Electronic key. Make sure to set it accordingly in the settings. " image-1="" count="2" html="true" css_class=""]

Documents / Resources



[WEINTEK MP2300Siec PLC No Response \[pdf\]](#) User Guide

MP2300Siec-Motion Works IEC Express, MP2300Siec PLC No Response , MP2300Siec, PLC No Response, No Response, Response

References

- [User Manual](#)

WEINTEK

MP2300Siec, MP2300Siec PLC No Response, MP2300Siec-Motion Works IEC Express, No Response, PLC No Response, RESPONSE, WEINTEK

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