



# SIEMENS S7 LOGO Logic Module Instruction Manual

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## SIEMENS S7 LOGO Logic Module Instruction Manual



### HMI Factory Setting:

- **Controller IP Address:** 192.168.0.1
- **Controller COM Port:** 102
- **Controller Station Number:** 2
- **Control Area / Status Area:** DBWO / DBW20

### Connection

Standard Jumper Cable / Network Cable without jumper (Auto-detected by HMI)

### Definition of PLC Read/Write Address

Type	Format	Read/Write Range	Data Length	Note
	Word No.(n)Bank No.(m)			
Input Image	<b>IW<sub>n</sub></b>	<b>IW0 – IW65534</b>	Word	
	<b>ID<sub>n</sub></b>	<b>ID0 – ID65532</b>	Double Word	
Output Image	<b>QW<sub>n</sub></b>	<b>QW0 – QW65534</b>	Word	
	<b>QD<sub>n</sub></b>	<b>QD0 – QD65532</b>	Double Word	
Internal Bits	<b>MW<sub>n</sub></b>	<b>MW0 – MW65534</b>	Word	
	<b>MD<sub>n</sub></b>	<b>MD0 – MD65532</b>	Double Word	
Data Area	<b>DB<sub>m</sub>.DBW<sub>n</sub></b>	<b>DB1.DBW0 – DB255.DBW65534</b>	Word	<u>1</u>
	<b>DB<sub>m</sub>.DBD<sub>n</sub></b>	<b>DB1.DBD0 – DB255.DBW65532</b>	Double Word	<u>1</u>
Data Area (DB10)	<b>DBW<sub>n</sub></b>	<b>DBW0 – DBW65534</b>	Word	
	<b>DBD<sub>n</sub></b>	<b>DBD0 – DBD65532</b>	Double Word	
	<b>VW<sub>n</sub></b>	<b>VW0 – VW65534</b>	Word	
	<b>VD<sub>n</sub></b>	<b>VD0 – VD65532</b>	Double Word	
Timer	<b>T<sub>n</sub></b>	<b>T0 – T65535</b>	Word	<u>2</u>
Counter	<b>C<sub>n</sub></b>	<b>C0 – C65535</b>	Double Word	<u>3</u>

## b. Contacts

Type	Format	Read/Write Range	Note
	Word No.(n) Bank No.(m)Bit No.(b)		
Input Image	<b>In.b</b>	<b>I0.0 – I65535.7</b>	
Output Image	<b>Qn.b</b>	<b>Q0.0 – Q65535.7</b>	
Internal Bits	<b>Mn.b</b>	<b>M0.0 – M65535.7</b>	
Data Area	<b>DB<sub>m</sub>.DBX<sub>n</sub>.b</b>	<b>DB1.DBX0.0 – DB255.DBX65535.7</b>	
Data Area (DB10)	<b>DBX<sub>n</sub>.b</b>	<b>DBX0.0 – DBX65535.7</b>	
	<b>Vn.b</b>	<b>V0.0 – V65535.7</b>	

## NOTE

1. Except register T<sub>n</sub> and C<sub>n</sub> , data type of register is Byte and its order is opposite to usual controller , for example :


1. + IW3 is a word which combined from IB3 and IB4 > High Byte of IW3 is IB3 ; Low Byte of IW3 is IB4.

2. + ID3 is Double Word which combined from IB3, IB4, IB5 and IB6, and its order from highest to lowest is IB3, IB4, IB5 and IB6. And please be attentive to use these registers, because their Data type is different with Data Length, it will need more than one register for each access, for example:
  1. ~ AIW6 which Data Type is Word and Data Length is 1 Word, when it used for one word Numeric Entry , it will occupy two addresses AIB6 and AIB7 –
  2. ~ MD12 which Data Type is Word and Data Length is Double Word > when it used for one word Numeric Entry, it will occupy four addresses MB12,MB13,MB14 and MB15; But data only stored in MB14 and MB15.
  3. IW3 which Data Type is Word and Data Length is 1 Word , when it used for double word Numeric Entry, it will occupy for addresses IB3,IB4,IB5 and IB6 > order from highest to lowest byte is IB5,IB6,IB3 and IB4.

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## Documents / Resources

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