



CREATE A NEW CICON PROJECT

CONFIGURE A VIRTUAL CHASSIS

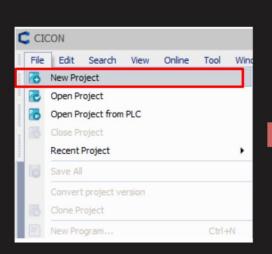
T REVIEW CIMON PLC DATA STRUCTURE

\(\frac{1}{4}\) ENERGIZE COILS WITH CONTACTS

COMPARISON AND MOVEMENT INSTRUCTIONS

interact with a project using the cicon simulator

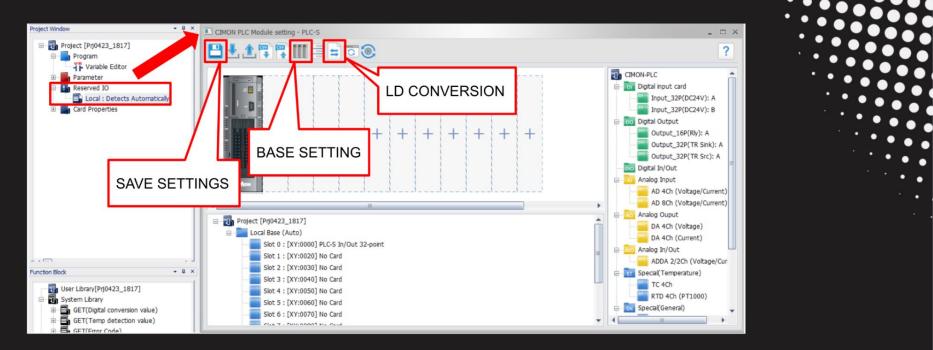
## CREATING A NEW CICON PROJECT







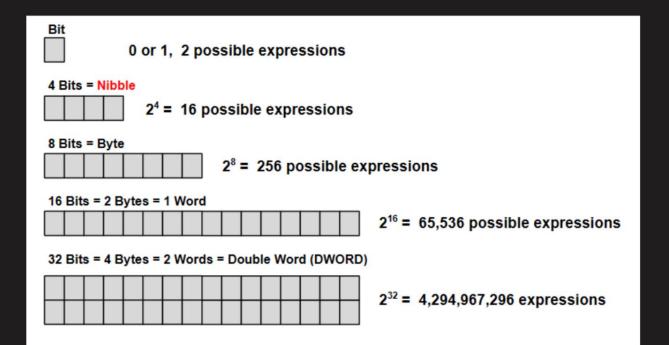
#### CONFIGURING A VIRTUAL **CHASSIS**





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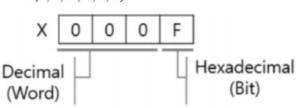
Device	Description	Read/Write
х	Input contact that receives signals from the input module.	R
Y	Output contact that delivers the operation result to the output module.	R/W
М	Auxiliary relay used in the PLC internally.	R/W
к	Similar use as M device. Supports latching by default. (Non-Volatile Memory)	R/W
L	Special contact area when used with computer/data link module (i.e. Modbus). Without a link, this area can be used same as M area.	R/W
F	Internal flag relay for the PLC state, time, date or other special contacts.	R
Т	Auxiliary relay for Timer instructions.	R
С	Auxiliary relay for Counter instructions.	R
s	Step control relay.	R/W
D	Capable of 16/32-bit data.	R/W
z	Similar to the D device, but is ideally used with subroutines. Cannot have an alias or description.	R/W
R	Index register used to indirectly indicate the address of device memory. CIMON PLC CPU provides 16 index registers.  Each register can store offset value in 16-bit.	R/W



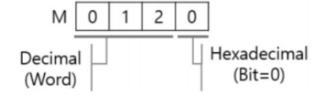
#### **Bit Device Notation**

Using Bit of Bit Device

(X, Y, M, K, L, F)

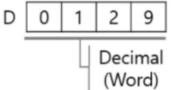


#### Using Word of Bit Device

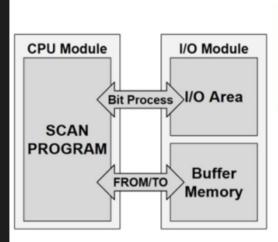


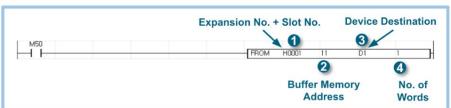
#### **Word Device Notation**

(T, C, D, Z)





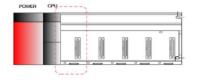




#### ① Expansion No. & Slot No.

	base No.	SIOT INO.
Н	0A	OB
H + [Base N	lo.] + [Slot No.	]
H: Stands f	or hexadecimal	
Base No.: 2	characters in h	nexadecimal
Slot No.: 2	characters in h	exadecimal

Base No. Clat No.



#### **② Buffer Memory Address**

Address		Description	
Hexa	Deci		
9H	9	Assigning averaging process	RW
AH	10	Flag indicating A/D-converted	R
BH	11	Digital output value of CH1	R
CH	12	Digital output value of CH2	R
DH	13	Digital output value of CH3	R
EH	14	Digital output value of CH4	R
FH	15	Digital output value of CH5	R
10H	16	Digital output value of CH6	R
11H	17	Digital output value of CH7	R
12H	18	Digital output value of CH8	R
13H	19	Error code	R
14H	20	Set range(CH1 ~ CH4)	RW
15H	21	Set range (CH5 ~ CH8)	RW
16H	22	Channel to calibrate offset	RW

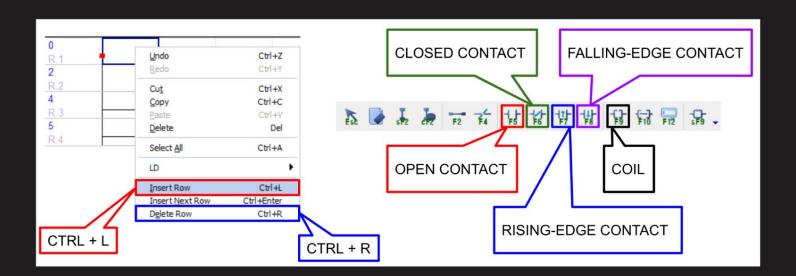


#### QUESTIONS

- 1. WHICH REGISTER(S) IS/ARE INTENDED FOR ANALOG USAGE?
- 2. IS M210 A WORD OR BIT?
- 3. WHICH INSTRUCTION EXTRACTS DATA FROM THE BUFFER MEMORY OF AN EXPANSION MODULE?
- 4. CAN YIA BE USED IN A WORD INSTRUCTION, SUCH AS ADD?
- 5. WHICH REGISTERS ARE MY PHYSICAL INPUTS AND OUTPUTS?

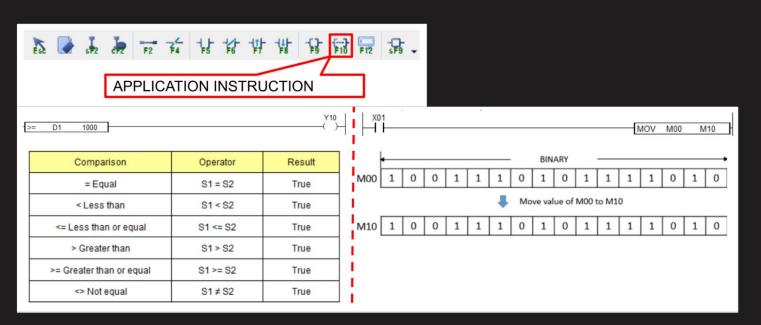


### ENERGIZING COILS WITH CONTACTS



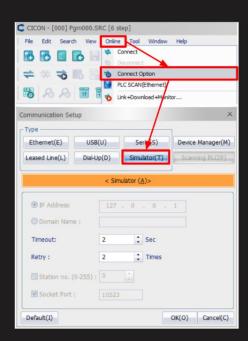


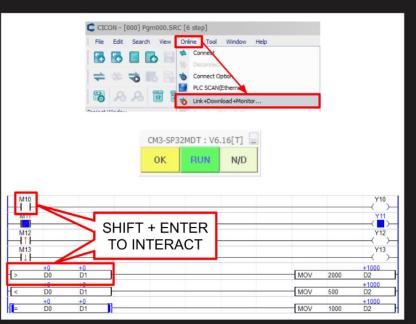
### COMPARISON AND MOVEMENT INSTRUCTIONS





### INTERACTING WITH CICON SIMULATOR







#### QUESTIONS

- 1. WHICH HOTKEY ALLOWS FOR EASY TOGGLING OF A CONTACT OR CHANGING A DATA REGISTER'S VALUE?
- 2. WHY DO Y12 OR Y13 NOT STAY ON CONTINUOUSLY AS OPPOSED TO Y10 OR Y11?
- 3. WHICH HOTKEY ALLOWS THE USER TO CREATE RUNGS QUICKLY? HOW ABOUT DELETING RUNGS?
- 4. WHICH BUTTON IS BEST FOR DOWNLOADING A PROJECT TO THE PLC?



