

OMRON E5CN/E5EZ/E5ZN

Supported Series: OMRON E5CN series temperature controller with communication options. E5EN/CN/GN/EZ/ZN series.

Website: <http://oeiweb.omron.com>

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	OMRON E5CN		
PLC I/F	RS485 2W		
Baud rate	9600	9600/19200/38400/ 57600/115200	
Data bits	7	7,8	
Parity	Even	Even, Odd, None	
Stop bits	2	1,2	
PLC sta. no.	0	0-99	

Online simulator	YES	Broadcast command	YES
Extend address mode	YES		

*Support communications between HMI and PLC in pass-through mode

*Set LW-9903 to 2 to enhance the speed of download/upload PLC program in pass-through mode

Device Address:

Bit/Word	Device	Format	Range	Memo
B	Status_CH1	DD	0 ~ 31	Page40
B	Status_CH2	DD	0 ~ 31	
B	C0_Bit	HHHHdd	0 ~ 270f31	
B	C1_Bit	HHHHdd	0 ~ 270f31	
B	C2_Bit	HHHHdd	0 ~ 270f31	
B	C3_Bit	HHHHdd	0 ~ 270f31	
DW	C0	HHHH	0 ~ 270f	Read only (Hex) Page34
DW	C1	HHHH	0 ~ 270f	Read/Write (Hex) Page35
DW	C2	HHHH	0 ~ 270f	Read/Write (Hex) Page35
DW	C3	HHHH	0 ~ 270f	Read/Write (Hex) Page36
W	Code00_00	H	0	Communications writing OFF

Bit/Word	Device	Format	Range	Memo
W	Code00_01	H	0	Communications writing
W	Code01_00	H	0	Run
W	Code01_01	H	0	Stop
W	Code02_00	H	0	Multi-SP Set point 0
W	Code02_01	H	0	Multi-SP Set point 1
W	Code02_02	H	0	Multi-SP Set point 2
W	Code02_03	H	0	Multi-SP Set point 3
W	Code03_00	H	0	AT cancel
W	Code03_01	H	0	AT execute
W	Code04_00	H	0	Write mode (Backup)
W	Code04_01	H	0	Write mode (Ram)
W	Code05_00	H	0	Save RAM data
W	Code06_00	H	0	Software reset
W	Code07_00	H	0	Move to setup area 1
W	Code08_00	H	0	Move to protect level
W	Code01_10	H	0	
W	Code01_11	H	0	
W	Code01_F0	H	0	
W	Code01_F1	H	0	
W	Code02_10	H	0	
W	Code02_11	H	0	
W	Code02_F0	H	0	
W	Code02_F1	H	0	
W	Code03_10	H	0	
W	Code03_11	H	0	
W	Code03_F0	H	0	
W	Code03_F1	H	0	
W	Code09_00	H	0	
W	Code09_01	H	0	
W	Code09_10	H	0	
W	Code09_11	H	0	
W	Code09_F0	H	0	
W	Code09_F1	H	0	
W	Code0A_00	H	0	
W	Code0B_00	H	0	
W	Code0C_00	H	0	
W	Code0C_01	H	0	
W	Code0C_02	H	0	

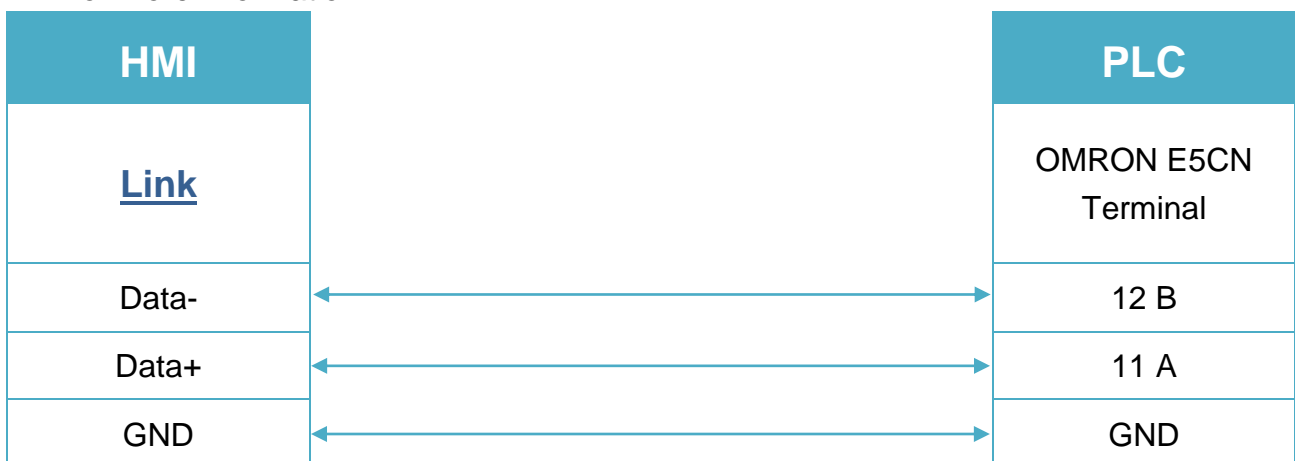
Bit/Word	Device	Format	Range	Memo
W	Code0C_0F	H	0	
W	Code0C_10	H	0	
W	Code0C_11	H	0	
W	Code0C_12	H	0	
W	Code0C_1F	H	0	
W	Code0C_F0	H	0	
W	Code0C_F1	H	0	
W	Code0C_F2	H	0	
W	Code0C_FF	H	0	

Wiring Diagram:

Diagram 1

RS-485 2W

The serial port pin assignments may vary between HMI models, please click the following link for more information.



Note:

For communication with OMRON E5EZ, please set communication settings to 9600, E, 7, 2, station no. 1.