YAMAHA ERCD

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	YAMAHA ERCD		
PLC I/F	RS232		
Baud rate	9600	1200-19200	
Data bits	8	7 or 8	
Parity	Odd	None/Even/Odd	
Stop bits	1	1 or 2	
PLC sta. no.	0		Needn't to set the station No.
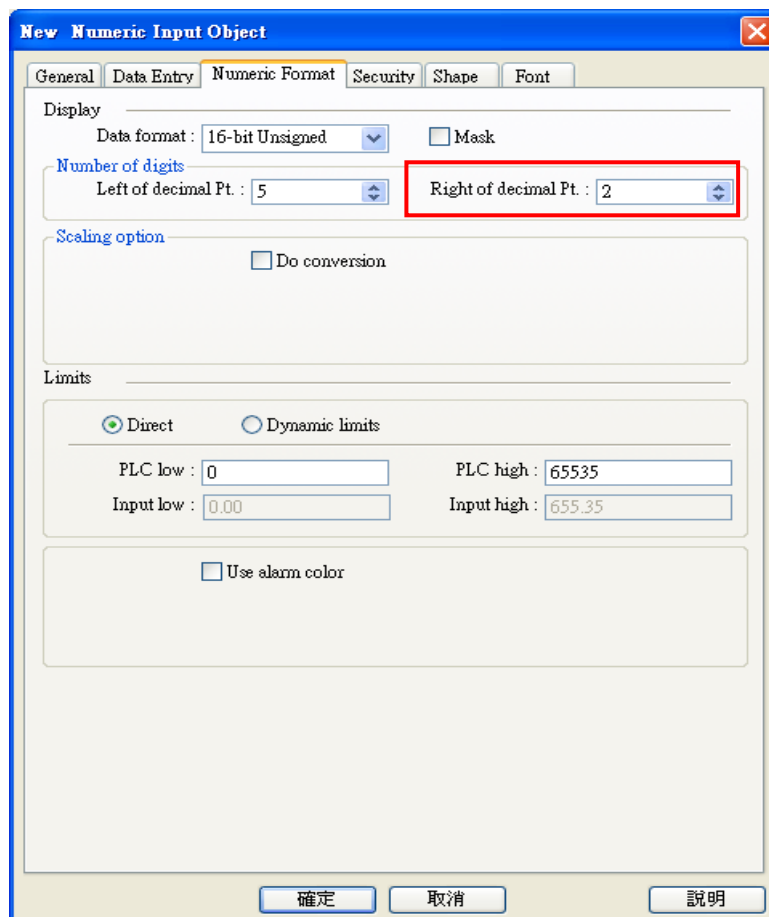
Device Address:

Bit/Word	Device type	Format	Range	Memo
Bit	DI	DD	0 ~ 15	Sequence Input (Read only)
Bit	DO	D	0 ~ 7	Sequence Output (Read only)
Bit	EMG	D	0	Emergency stop status (Read only)
Bit	SRVO	D	0	Servo Status (Read/Write)
Bit	ORG_Sensor	D	0	Original sensor status (Read only)
Bit	RESET	D	0	Set on to reset program (Write only)
Bit	RUN	D	0	Set on to execute a program (Write only)
Bit	X_ADD	D	0	Set on to move robot to + side (Write only)
Bit	X_SUB	D	0	Set on to move robot to - side (Write only)
Word	P	DDD	0 ~ 999	PNT point data (Read/Write) *Note
Word	PRM	DD	0 ~ 99	Parameters (Read/Write)
Word	SWI	D	0	Switches program number to run RW0=program number (Write only) Set the parameter of RW register, and then enter any value in this register.
Word	MOVD	D	0	Directly moves to specified position RW1=X-axis position(mm), RW2=speed (Write only) Set the parameter of RW register, and then enter any value in this register.
Word	ORG	D	0	Return to original activity (Enter any value) ,

Bit/Word	Device type	Format	Range	Memo
				Return to original status (Read/Write)
Word	MODE	D	0	動作模式
Word	POS	D	0	Current position (Read only) *Note
Word	NO	D	0	Current program number (Read only)
Word	SNO	D	0	Current step number (Read only)
Word	TNO	D	0	Current task number (Read only)
Word	PNO	D	0	Current selected point number (Read only)

The value read in address types P and POS is timed by 100, therefore, in the object setting in EasyBuilder, set to the second place after the decimal point to get the correct value.

WE!NTEK

Wiring Diagram:

Diagram 1

RS-232

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

HMI		PLC
Link		RS232 9P D-Sub Male
Rx	←	3 TX
Tx	←	2 RX
GND	←	5 GND
		7
		8