

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.

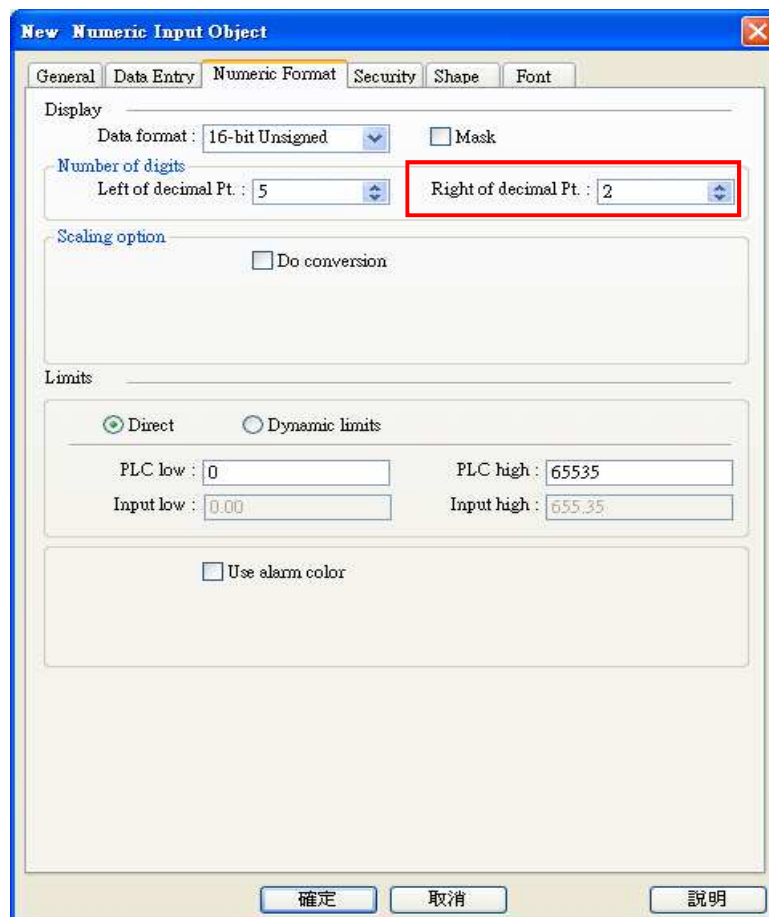
Device Address:

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.



New Numeric Input Object

General | Data Entry | **Numeric Format** | Security | Shape | Font

Display

Data format: 16-bit Unsigned Mask

Number of digits

Left of decimal Pt.: 5 **Right of decimal Pt.: 2**

Scaling option

Do conversion

Limits

Direct Dynamic limits

PLC low: 0 PLC high: 65535

Input low: 0.00 Input high: 655.35

Use alarm color

確定 取消 說明

Wiring Diagram:

RS-232 9P D-Sub (Diagram 1 ~ Diagram 3)

Diagram 1

cMT Series *cMT3071 / cMT3072 / cMT3090 / cMT3103 / cMT3151*

eMT Series *eMT3070 / eMT3105 / eMT3120 / eMT3150*

MT-iE *MT8073iE / MT8102iE*

MT-XE *MT8092XE*

MT-iP *MT6103iP / MT8102iP*

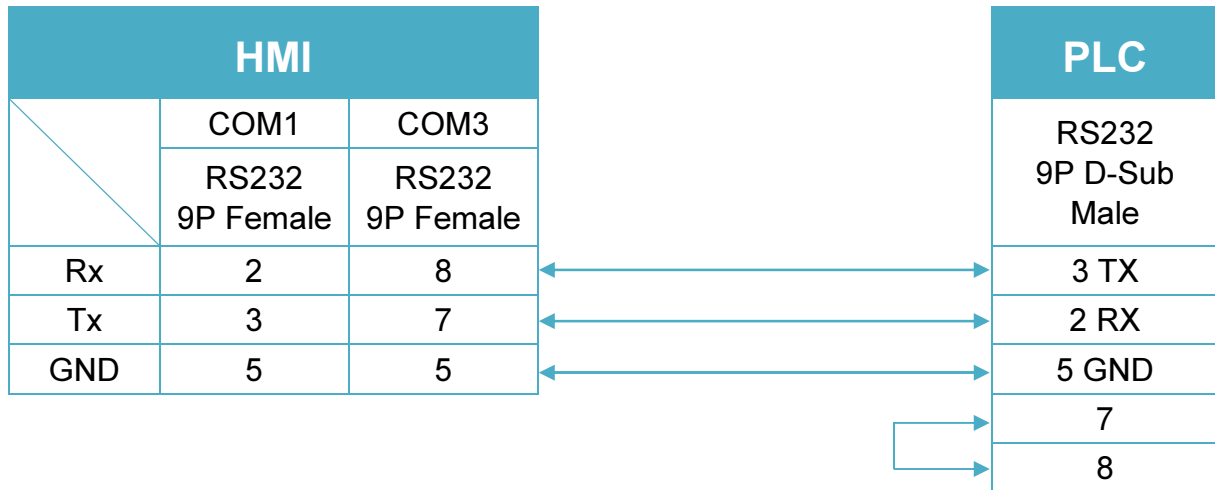


Diagram 2

cMT Series *cMT-SVR / cMT-G01 / cMT-G02 / cMT-HDM / cMT-FHD*

mTV *mTV*

MT-iE *MT8070iE / MT6070iE / MT8100iE / MT8121iE / MT8150iE /
MT8071iE / MT6071iE / MT8072iE / MT6072iE / MT8073iE /
MT8101iE / MT8102iE / MT8103iE*

MT-XE *MT8121XE / MT8150XE / MT8090XE*

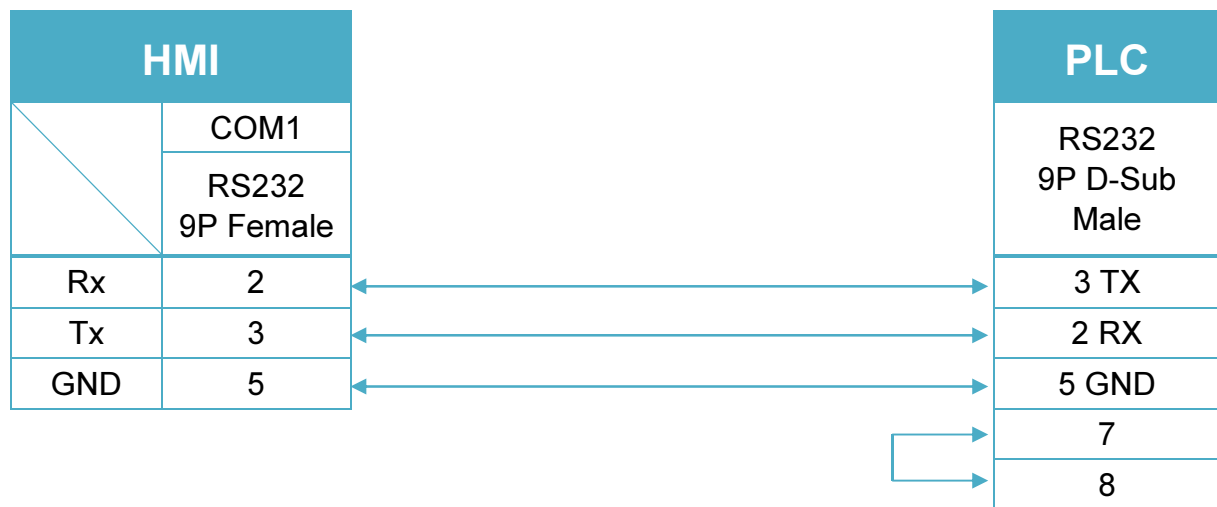


Diagram 3

MT-iE *MT8050iE / MT8053iE*

MT-iP *MT6051iP / MT8051iP / MT6071iP / MT8071iP*

