

## Control Technology 2500 Series (Ethernet)

Supported Series: CTI 2500 Series PLCs (Classic and Compact): C100, C200, C300 and C400

Website: <http://www.controltechnology.com/>

### HMI Setting:

Parameters	Recommended	Options	Notes
<b>PLC type</b>	Control Technology 2500 Series (Ethernet)		
<b>PLC I/F</b>	Ethernet		
<b>Port no.</b>	1505		
<b>PLC sta. no.</b>	1		

### Device Address:

Bit/Word	Device type	Format	Range	Memo
B	CR	DDDDD	1 ~ 65536	Internal Relay
B	X	DDDDD	1 ~ 65536	Discrete Input Coils
B	Y	DDDDD	1 ~ 65536	Discrete Output Coils
B	V_Bit	DDDDDdd	101 ~ 6553616	User Data Register Bits
B	K_Bit	DDDDDdd	101 ~ 6553616	
B	ACF_Bit	DDDDDdd	101 ~ 6553616	
B	AVF_Bit	DDDDDdd	101 ~ 6553616	
B	LCF_Bit	DDDDDdd	101 ~ 6553616	
B	LRSF_Bit	DDDDDdd	101 ~ 6553616	
B	LVF_Bit	DDDDDdd	101 ~ 6553616	
W	V	DDDDD	1 ~ 65536	User Data Registers
DW	VD	DDDDD	1 ~ 65536	User Data Registers (32bit)
W	STW	DDDDD	1 ~ 65536	Status Word Registers
W	TCP	DDDDD	1 ~ 65536	Timer/Counter Preset
W	TCC	DDDDD	1 ~ 65536	Timer/Counter Current
W	WX	DDDDD	1 ~ 65536	Word Discrete Inputs
W	WY	DDDDD	1 ~ 65536	Word Discrete Outputs
W	K	DDDDD	1 ~ 65536	
DW	K_DWord	DDDDD	1 ~ 65536	
W	DSP	DDDDD	1 ~ 32720	
W	DSC	DDDDD	1 ~ 32720	

Bit/Word	Device type	Format	Range	Memo
W	DCP	DDDDDDDD	101 ~ 3272016	
DW	DCC	DDDDD	1 ~ 32720	
DW	ACF	DDDDD	1 ~ 65536	
W	AACK	DDDDD	1 ~ 65536	
Float	AADB	DDDDD	1 ~ 65535	
W	ACFH	DDDDD	1 ~ 65536	
W	ACFL	DDDDD	1 ~ 65536	
Float	AERR	DDDDD	1 ~ 65535	
Float	AHA	DDDDD	1 ~ 65535	
Float	AHHA	DDDDD	1 ~ 65535	
Float	ALA	DDDDD	1 ~ 65535	
Float	ALLA	DDDDD	1 ~ 65535	
Float	AODA	DDDDD	1 ~ 65535	
Float	APV	DDDDD	1 ~ 65535	
Float	APVH	DDDDD	1 ~ 65535	
Float	ARCA	DDDDD	1 ~ 65535	
Float	ASP	DDDDD	1 ~ 65535	
Float	ASPH	DDDDD	1 ~ 65535	
Float	ASPL	DDDDD	1 ~ 65535	
Float	ATS	DDDDD	1 ~ 65535	
W	AVF	DDDDD	1 ~ 65536	
Float	AYDA	DDDDD	1 ~ 65535	
W	AHAR	DDDDD	1 ~ 65536	
W	ALAR	DDDDD	1 ~ 65536	
W	APVR	DDDDD	1 ~ 65536	
W	AODAR	DDDDD	1 ~ 65536	
W	AYDAR	DDDDD	1 ~ 65536	
W	ASPR	DDDDD	1 ~ 65536	
W	ADBR	DDDDD	1 ~ 65536	
W	AERRR	DDDDD	1 ~ 65536	
W	AHHAR	DDDDD	1 ~ 65536	
W	ALLAR	DDDDD	1 ~ 65536	
W	ASPLR	DDDDD	1 ~ 65536	
W	ASPHR	DDDDD	1 ~ 65536	
DW	LCF	DDDDD	1 ~ 65535	
W	LACK	DDDDD	1 ~ 65536	
Float	LADB	DDDDD	1 ~ 65535	

Bit/Word	Device type	Format	Range	Memo
W	LCFH	DDDDD	1 ~ 65536	
W	LCFL	DDDDD	1 ~ 65536	
Float	LERR	DDDDD	1 ~ 65535	
Float	LHA	DDDDD	1 ~ 65535	
Float	LHHA	DDDDD	1 ~ 65535	
Float	LKC	DDDDD	1 ~ 65535	
Float	LKD	DDDDD	1 ~ 65535	
Float	LLA	DDDDD	1 ~ 65535	
Float	LLLA	DDDDD	1 ~ 65535	
Float	LMN	DDDDD	1 ~ 65535	
Float	LMX	DDDDD	1 ~ 65535	
Float	LODA	DDDDD	1 ~ 65535	
Float	LPV	DDDDD	1 ~ 65535	
Float	LPVH	DDDDD	1 ~ 65535	
Float	LPVL	DDDDD	1 ~ 65535	
Float	LRCA	DDDDD	1 ~ 65535	
W	LRSF	DDDDD	1 ~ 65536	
W	LRSN	DDDDD	1 ~ 65536	
Float	LSP	DDDDD	1 ~ 65535	
Float	LSPH	DDDDD	1 ~ 65535	
Float	LSPL	DDDDD	1 ~ 65535	
Float	LTD	DDDDD	1 ~ 65535	
Float	LTI	DDDDD	1 ~ 65535	
Float	LTS	DDDDD	1 ~ 65535	
W	LVF	DDDDD	1 ~ 65536	
Float	LYDA	DDDDD	1 ~ 65535	
W	LHAR	DDDDD	1 ~ 65536	
W	LLAR	DDDDD	1 ~ 65536	
W	LPVR	DDDDD	1 ~ 65536	
W	LODAR	DDDDD	1 ~ 65536	
W	LYDAR	DDDDD	1 ~ 65536	
W	LMNR	DDDDD	1 ~ 65536	
W	LSPR	DDDDD	1 ~ 65536	
W	LERRR	DDDDD	1 ~ 65536	
W	LHHAR	DDDDD	1 ~ 65536	
W	LLLAR	DDDDD	1 ~ 65536	
W	LADBR	DDDDD	1 ~ 65536	

Bit/Word	Device type	Format	Range	Memo
W	LMXR	DDDDD	1 ~ 65536	
W	LSPLR	DDDDD	1 ~ 65536	
W	LSPHR	DDDDD	1 ~ 65536	

Note: Because VD (double word) will do high and low word conversion, avoid mixing V and VD when performing data transfer and macro.

## Wiring Diagram:

### Ethernet cable:

