

KEYENCE KV-3000

Supported Series: KEYENCE KV-3000

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

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	KEYENCE KV-3000		
PLC I/F	RS232		
Baud rate	9600		
Data bits	8		
Parity	Even		
Stop bits	1		
PLC sta. no.	0		

*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

PLC Setting:

Communication mode	KV STUDIO mode
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Device Address:

Bit/Word	Device type	Format	Range	Memo
B	MR	DDDdd	0 ~ 99915	Intenal auxiliary relay
B	LR	DDDdd	0 ~ 99915	Latch relay
B	CR	DDDdd	0 ~ 99915	Control relay
B	R	DDDdd	0 ~ 99915	Relay
B	B	HHHh	0 ~ 3FFF	Link Relay
B	T	DDDD	0 ~ 9999	Timer
B	C	DDDD	0 ~ 9999	Counter
B	DM_Bit	DDDDDdd	0 ~ 6553515	
B	TM_Bit	DDDDDdd	0 ~ 999915	
B	CM_Bit	DDDDDdd	0 ~ 6553515	
B	EM_Bit	DDDDDdd	0 ~ 6553515	
B	FM_Bit	DDDDDdd	0 ~ 6553515	
W	DM	DDDDD	0 ~ 65535	Data memory

Bit/Word	Device type	Format	Range	Memo
W	TM	DDDD	0 ~ 9999	Temp data momory
W	CM	DDDDD	0 ~ 65535	Control memory
W	EM	DDDDD	0 ~ 65535	Data memory
W	FM	DDDDD	0 ~ 65535	File register
W	MR_Word	DDD	0 ~ 999	
W	LR_Word	DDD	0 ~ 999	
W	CR_Word	DDD	0 ~ 999	
W	W	HHHH	0 ~ 3FFF	Link register
W	ZF	DDDDDD	0 ~ 131071	File register
DW	TC	DDDD	0 ~ 9999	Timer current value
DW	TS	DDDD	0 ~ 9999	Timer set value
DW	CC	DDDD	0 ~ 9999	Counter current value
DW	CS	DDDD	0 ~ 9999	Counter set value
DW	Z	DD	1 ~ 12	
DW	TRM	D	0 ~ 7	

Wiring Diagram:

RS-232

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

