

KEYENCE

KV-L20V/700/1000/3000/5000/7500/8000/Nano

Series

Supported series: KV-L20V, 700, 1000, 3000, 5000, 7500, 8000 series, KV Nano series

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

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	KEYENCE KV-L20V/700/1000/3000/5000/7500/8000/Nano Series		
PLC I/F	RS232	RS232,RS485 2W,RS485 4W	
Baud rate	115200	9600 ~ 115200	
Data bits	8		
Parity	Even		
Stop bits	1		
PLC sta. no.	0		

Online simulator	YES	Extend address mode	NO
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PLC Setting:

Communication mode	KV mode (host link)
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Device Address:

Bit/Word	Device type	Format	Range	Memo
B	MR	DDDDdd	0 ~ 399915	Intenal auxiliary relay
B	LR	DDDdd	0 ~ 99915	Latch relay
B	CR	DDDdd	0 ~ 99915	Control relay
B	R	DDDDdd	0 ~ 199915	Relay
B	B	HHHh	0 ~ 7FFF	Link relay
B	T_Bit	DDDD	0 ~ 9999	Timer
B	C_Bit	DDDD	0 ~ 9999	Counter
B	DM_Bit	DDDDdd	0 ~ 6553515	Data memory bit
B	TM_Bit	DDDDdd	0 ~ 999915	Temporary data memory bit
B	CM_Bit	DDDDdd	0 ~ 6553515	Control memory bit

Bit/Word	Device type	Format	Range	Memo
B	EM_Bit	DDDDDDdd	0 ~ 6553515	Data memory
B	FM_Bit	DDDDDDdd	0 ~ 52428715	File register bit
B	CTC_Bit	D	0 ~ 7	
B	ZF_Bit	DDDDDDdd	0 ~ 52428715	File register (SQ)
B	W_Bit	HHHHh	0 ~ 7FFFF	Link register bit
B	W_Bit_Dec	HHHHdd	0 ~ 7FFF15	
B	VM_Bit	DDDDDDdd	0 ~ 6553515	
B	VB_Bit	HHHHh	0 ~ F9FF	
W	DM	DDDDD	0 ~ 65535	Data memory
W	TM	DDDD	0 ~ 9999	Temporary data memory
W	W	HHHH	0 ~ 7FFF	Link register
W	VM	DDDDD	0 ~ 65535	
W	CM	DDDDD	0 ~ 65535	Control memory
W	EM	DDDDD	0 ~ 65535	Data memory
W	FM	DDDDDD	0 ~ 524287	File register
W	MR_Word	DDDD	0 ~ 3999	Intenal auxiliary relay
W	LR_Word	DDD	0 ~ 999	Latch relay
W	CR_Word	DDD	0 ~ 999	Control relay
W	ZF	DDDDDD	0 ~ 524287	File register (SQ)
W	VB	HHH	0 ~ F9F	
W	R_Word	DDDD	0 ~ 1999	Relay
W	B_Word	HHH	0 ~ 7FF	Link relay
W	T	DDDD	0 ~ 9999	Timer
W	C	DDDD	0 ~ 9999	Counter
W	T_Curr	DDDD	0 ~ 9999	Timer current
W	T_Preset	DDDD	0 ~ 9999	Timer preset
W	C_Curr	DDDD	0 ~ 9999	Counter current
W	C_Preset	DDDD	0 ~ 9999	Counter preset
W	TRM	D	0 ~ 7	
W	Z	DD	1 ~ 12	
W	CTH	D	0 ~ 3	
W	CTC	D	0 ~ 7	

Wiring Diagram:

Diagram 1

RS-232 (OP-26486 RS232)

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

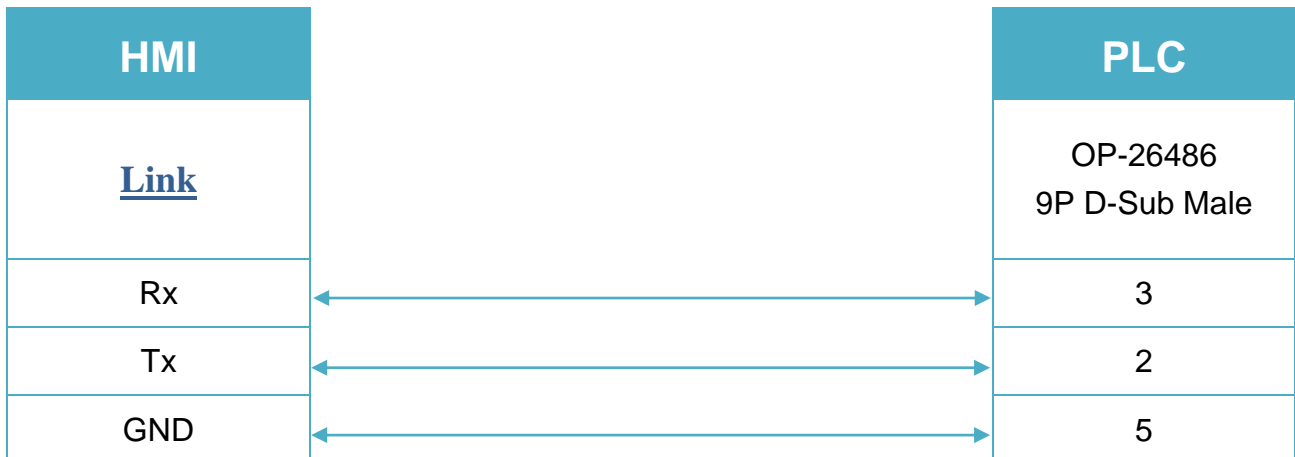


Diagram 2

RS-232 (KV-L20V Port2 RS232 terminal)

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

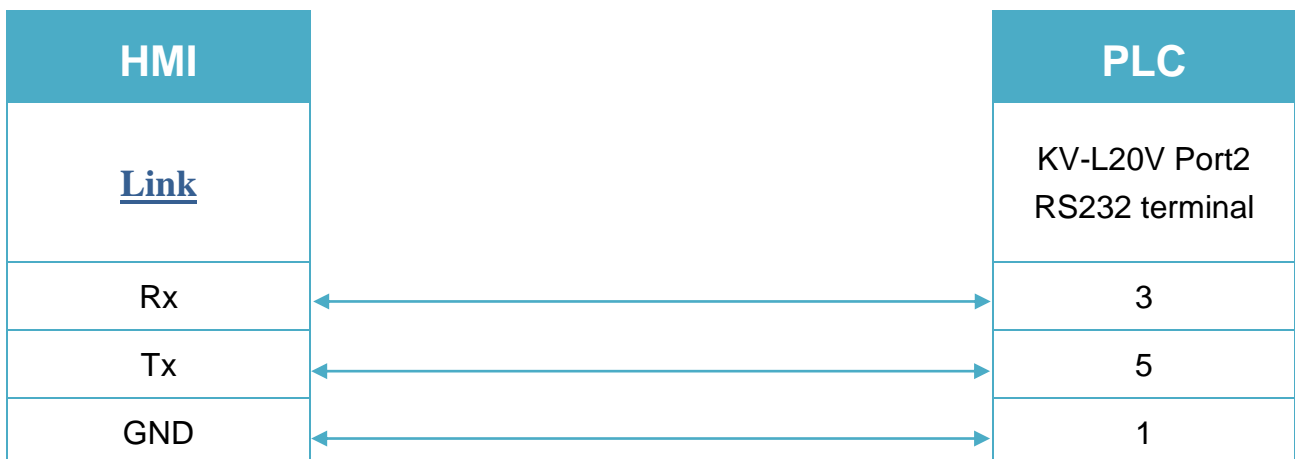


Diagram 3

RS-485 2W (KV-L20V Port2 RS485 2W)

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

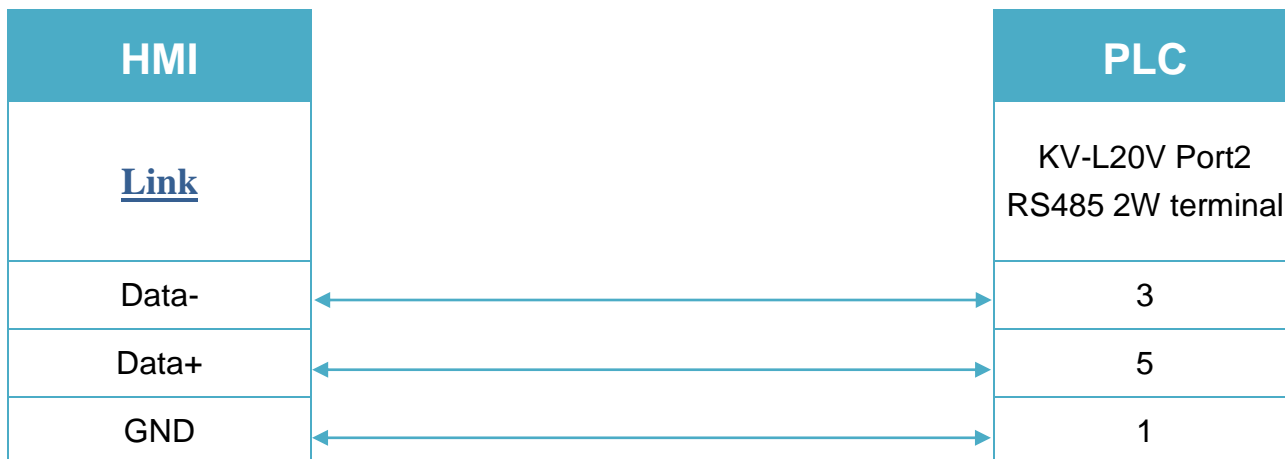


Diagram 4

RS-485 4W (KV-L20V Port2 RS485 4W terminal)

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

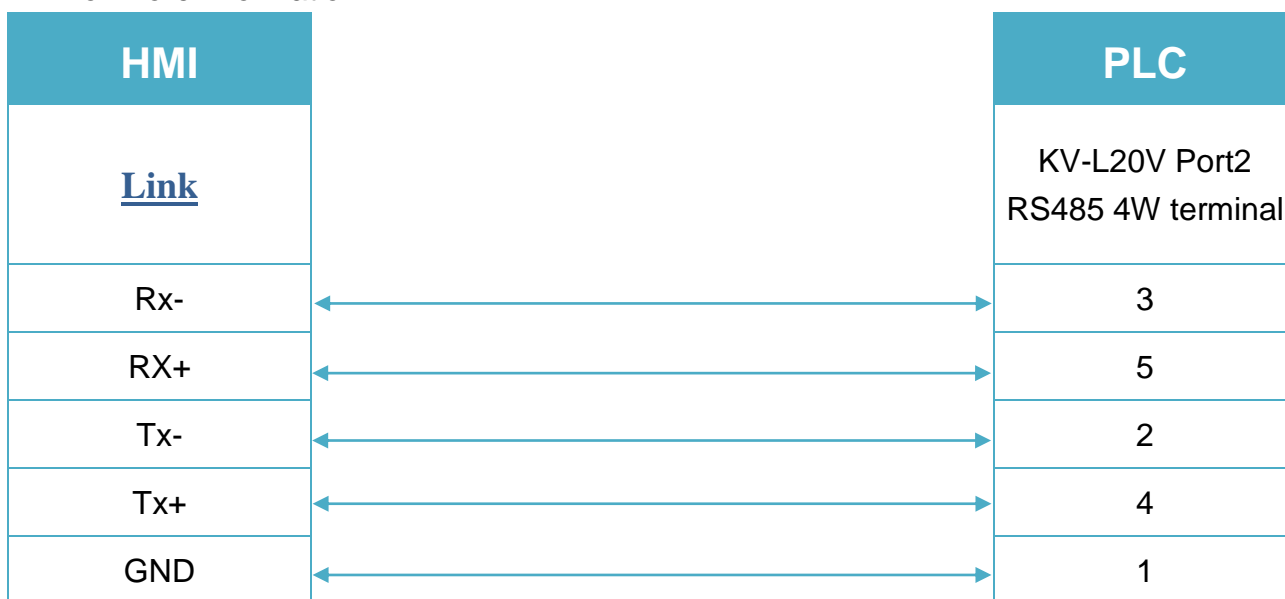


Diagram 5

RS-232 (RJ11 6P RS232)

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

