

Panasonic MINAS-BL KV series

Supported Series: Panasonic MINAS-BL KV series

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	Panasonic MINAS-BL KV series		
PLC I/F	RS485 2W		
Baud rate	9600	2400 ~ 9600	
Data bits	8	7, 8	
Parity	Even	Even, Odd, None	
Stop bits	1	1, 2	

Device Address:

Bit/Word	Device type	Format	Range	Memo
B	Running status	D	0	
B	Speed attainment status	D	0	
B	Trip state status	D	0	
B	I1 status	D	0	
B	I2 status	D	0	
B	I3 status	D	0	
B	I4 status	D	0	
B	O1 status	D	0	
B	O2 status	D	0	
B	I1 Run command	D	0	
B	I2 Run command	D	0	
B	Free-run stop	D	0	
B	Trip reset	D	0	
B	Forced trip	D	0	
B	Trip history clear command	D	0	
B	Parameter EEPROM writing	D	0	
W	0 th speed	D	0	
W	1 st speed	D	0	
W	2 nd speed	D	0	
W	3 rd speed	D	0	
W	4 th speed	D	0	

Bit/Word	Device type	Format	Range	Memo
W	5 th speed	D	0	
W	6 th speed	D	0	
W	7 th speed	D	0	
W	1 st acceleration time	D	0	
W	2 nd acceleration time	D	0	
W	1 st deceleration time	D	0	
W	2 nd deceleration time	D	0	
W	Acceleration mode	D	0	
W	Deceleration time	D	0	
W	Stop mode	D	0	
W	Free-run waiting time	D	0	
W	Proportional gain	D	0	0 ~ 10000
W	Integration gain	D	0	0 ~ 10000
W	Run command selection	D	0	
W	Speed command	D	0	
W	Operation mode	D	0	
W	I1 I2 function	D	0	
W	I3 function	D	0	
W	I4 function	D	0	
W	I5 function	D	0	
W	Lower speed limit	D	0	
W	Upper speed limit	D	0	0 ~ 4000 r/min
W	Torqur limit	D	0	0 ~ 200
W	O1 function	D	0	
W	O2 function	D	0	
W	O1 output polarity	D	0	
W	O2 output polarity	D	0	
W	Speed matching range	D	0	
W	Output pulse count	D	0	1,2,3,4,6,8,12,24
W	Monitor mode	D	0	
W	Numeration of display	D	0	
W	Denominator of display	D	0	1 ~ 1000
W	Trip history clear	D	0	
W	Trip history 1	D	0	
W	Trip history 2	D	0	
W	Trip history 3	D	0	
W	Trip history 4	D	0	

Bit/Word	Device type	Format	Range	Memo
W	Trip history 5	D	0	
W	Undervoltage trip	D	0	
W	Retrail	D	0	
W	Retrail start time	D	0	1 ~ 120 sec
W	Parameter initializing	D	0	
W	Parameter copy function	D	0	
W	RS485 device no	D	0	128 ~ 159
W	RS485 speed	D	0	0: 2400 bps 1: 4800 bps 2: 9600 bps
W	RS485 mode	D	0	0 ~ 11
W	RS485 response time	D	0	10 ~ 1000 ms
W	RS485 retry times	D	0	0 ~ 8 retry count 9: no retry
W	RS485 time out	D	0	1 ~ 255
W	Model code1	D	0 ~ 1	
W	Model code2	D	0 ~ 1	
W	Rotation speed	D	0	
W	Commanded speed	D	0	
W	Internal DC voltage	D	0	
W	Troque	D	0	
W	Load factor	D	0	
W	Detial of trip	D	0	

Wiring Diagram:

Diagram 1

RS-485 2W (RS-485 2W RJ45 Connector for communications(SER))

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

