

IAI X-SEL CONTROLLER

Supported Series: X-SEL Controller, XSEL-K, XSEL-KE, XSEL-KT, XSEL-KET

Website: <http://www.iai-robot.co.jp/>

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	IAI X-SEL CONTROLLER		
PLC I/F	RS232		
Baud rate	9600	9600~19200	
Data bits	8	7 or 8	
Parity	None	Even, Odd, None	
Stop bits	1	1 or 2	
PLC sta. no.	0		

Device Address:

Bit/Word	Device type	Format	Range	Memo
W	Servo_On_Off	H	1 ~ 8	Address 1~8 represent the corresponding axis. Write 1 means ON and 0 means OFF.
W	Servo_Origin	H	1 ~ 8	Address 1~8 represent the corresponding axis. Back to origin.
W	CurrentAxisPos	H	1 ~ 8	For reading current position.(Read only) The state of current axis is put in RW axis*100. i.e., for the state of axis 2, 2*100=200, so it is in RW200.
W	RunProgram	H	0	Data written indicates which program to run.
W	EndProgram	H	0	Data written indicates which program to stop.
W	PointMove	H	0 ~ 8	Address 1~8 represent the corresponding axis. The data written indicates which point to reach. Put parameters ACC, DEC, SPEED in axis*100+1, axis*100+2 and axis*100+3 respectively.

Bit/Word	Device type	Format	Range	Memo
W	JoggingMove	H	0 ~ 8	Jogging. Address 1~8 represent the corresponding axis. Put parameters ACC, DEC, SPEED and Position in axis*100+11, axis*100+12, axis*100+13 and axis*100+14 respectively.
W	AbsoluteMove	H	0 ~ 8	Jog to the set absolute coordinate. Address 1~8 represent the corresponding axis. Put parameters ACC, DEC, SPEED and Position in axis*100+21, axis*100+22, axis*100+23 and axis*100+24 respectively.
W	PointChange	H	0 ~ 8	To change the value of the point. Address 1~8 represent the corresponding axis. Put parameters ACC, DEC, SPEED and Position in axis*100+31, axis*100+32, axis*100+33 and axis*100+34 respectively.
W	SoftWareReset	H	0	Reset soft ware.

Note: ddd: Decimal, hhh: Hexadecimal, ooo: Octal.

Each model of CPU is different; it is recommended to refer to PLC Manual Device List.

Wiring Diagram:

RS-232

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

