

2 axis Interpolation Type Motion Controller



PMC-2HSP Series CATALOG

For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.

The specifications, dimensions, etc. are subject to change without notice for product improvement. Some models may be discontinued without notice.

Features

- High speed independent 2 axis control with processing speed up to 4 Mpps
- Supports linear and circular interpolation control
- 17 control commands and up to 200 steps of operation programming
- Supports various control interfaces (USB, RS232C, RS485, Parallel I/F)
- Multiple control of up to 32 axes (16 units) with RS485 communication (Modbus RTU)
- 4 operation modes: Jog mode, Continuous mode, Index mode, Program mode
- Symmetrical/asymmetrical trapezoid or S-shaped acceleration/deceleration control

Ordering Information

This is only for reference, the actual product does not support all combinations..
For selecting the specified model, follow the Autonics website.

PMC - 2HSP - ①

① Communication type

USB: USB / RS232C

485: RS485 / RS232C

Product Components

- Product
- Instruction manual
- Power connector
- I/O connector (P I/F, X axis, Y axis)
- RS232C comm. cable 1.5 m
- USB comm. cable 1 m (PMC-2HSP-USB Series)
- RS485 comm. connector (PMC-2HSP-485 Series)

Software

Download the installation file and the manuals from the Autonics website.

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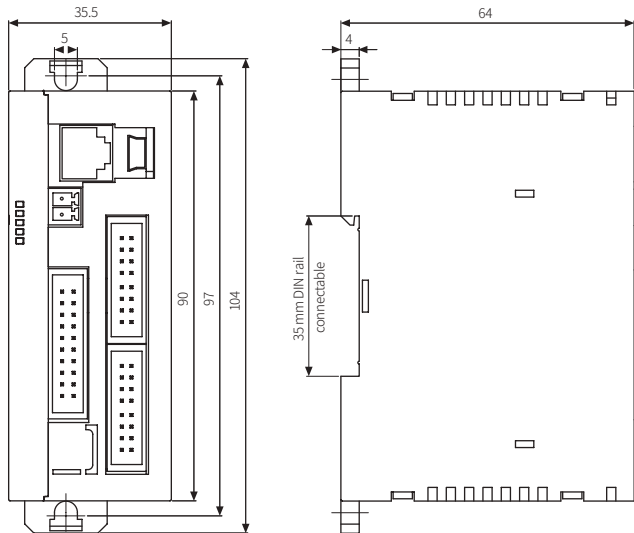
The program allows to manage the motor driver's parameter setting and monitoring data.

Specifications

Model	PMC-2HSP-USB	PMC-2HSP-485
Power supply	24 VDC \pm 10%	
Power consumption	\leq 6 W	
Control output	50 mA	
Control axes	2 axis	
Motor control	Pulse input stepper motor or servo motor	
In-Position range	-8,388,608 to +8,388,607 (selectable absolute / relative value, available pulse scaling function)	
Drive speed	1 pps to 4 Mpps (1 to 8,000 pps \times magnification 1 to 500)	
Pulse output method	1 pulse / 2 pulse output method (line driver output)	
Operation mode	Jog mode, Continuous mode, Index mode, Program mode	
Index steps	64 step for each axis	
Steps	200 steps	
Control command	ABS, INC, HOM, LID, CID, FID, RID, FRID, TIM, JMP, REP, RPE, ICJ, IRD, OPC, OPT, NOP, END	
Program function	Power On Program Start, Power On Home Search	
Home search mode	High speed near home search (STEP1) \rightarrow Low speed near home search (STEP2) \rightarrow Encoder Z phase search (STEP3) \rightarrow Offset movement (STEP4)	
I/O	Parallel I/F (CN3): 13 inputs, 4 outputs X axis (CN4): 8 inputs, 6 outputs (2 general input, 2 general output) Y axis (CN5): 8 inputs, 6 outputs (2 general input, 2 general output)	
Ambient temp.	0 to 45°C, storage: -15 to 70°C (no freezing or condensation)	
Ambient humi.	20 to 90%RH, storage: 20 to 90%RH (no freezing or condensation)	
Approval	CE EAC	CE EAC
Unit weight (packaged)	\approx 101.5 g (\approx 344 g)	\approx 101.6 g (\approx 308.7 g)

Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.



Unit Descriptions

