IAI CORPORATION.

ROBO Cylinder® Controller ACON/PCON/SCON Series (MECHATROLINK Type)

Features

- Easy operation of various types such as slider, rod, rotary and gripper types of electric actuator products is enabled using I/O operation from the network master (host PLC).

- For the position data creation, easy setting is enabled with the value entry using the PC software or teaching pendant, or direct teaching.
- The position can be moved to the destination that is specified using the values, and monitoring for the current position, speed or command-current value, etc., is enabled.

Model No. :
ACON-C/CG-□-ML-0-0 (□: Motor wattage)
PCON-C/CG-□-ML-0-0 (□: Motor flange size)
SCON-CA-□-ML-0-△
(□: Motor flange size , Encoder/△: Input Source Voltage)

ACON Series　PCON Series　SCON Series

Specifications

Item	Specifications
Control system	Positioner Operation with MECHATROLINK-Ⅰ/Ⅱ Intelligent I/O commands
Number of control axes	1 axis
Connected actuator	ACON Series : RCA/RCA2 Series actuator (Servo motor) PCON Series : RCP2/RCP3/RCP4 Series actuator (Stepper motor) SCON Series : RCS2/RCS3 Series actuator (Servo motor)
No. of Locating Position Table Points	(Maximum) 768 points (In the case of the operation with the direct value specification, the number of locating position table points is unlimited
Positioner Functions	Positioning operation, pitching (incremental) movement, pressing operation (movement with torque restriction), short-cut control, speed change during the movement
I/O Functions	Servo ON, Home return, Pausing input, Jog/Inching movement input, Alarm reset, Current position capturing, Positioning completion, Home return completion, Zone signal output, alarm output, Emergency stop status output, Current position/speed/command-current monitoring, etc.
Order Value Minimum Unit	Position Order : 0.01mm, Speed Order : 1mm/sec, Acceleration/Deceleration Order : 0.01G, Pressing Current Limit Value : 100% / 256 Levels (RCS2-RA13R : 200%)
Input Source Voltage	ACON, PCON Series : DC24V ±10% SCON Series : AC100 to 150V ±10% / AC200 to 230V ±10%
External dimensions(※)	ACON, PCON Series : Width 35mm, Depth 69mm, Height 178mm SCON Series (less than 400-watts) : Width 58mm, Depth 121mm, Height 194mm (over 400-watts) : Width 72mm, Depth 121mm, Height 194mm

(※) MECHATROLINK connector not included

MECHATROLINK specifications

		M- I	M- II	
		17-byte	17-byte	32-byte
Command	Intelligent I/O	×	×	×
Transmission cycle		2ms	1ms or more (Following the value in the master)	

Contact Information

IAI CORPORATION.
聿鼎股份有限公司　桃園縣龜山鄉民生北路一段580號5樓　TEL : +886-3-2121020　FAX : +886-3-2121250
飛泰貿易有限公司　新北市中和區建一路150號14樓之1　TEL : +886-2-8226-5570　FAX : +886-2-8226-5430
新協祥貿易有限公司　台北市內湖區行善路58號4樓之1　TEL : +886-2-8792-9888　FAX : +886-2-8792-9968
URL : http://www.iai-robot.co.jp