IAI
Quality and Innovation

Controller for RCP2
High-Output Motor

PCON-CF

RCP2 series high-thrust, high-speed, waterproof dedicated controllers

Model **PCON-CF**

1 This model is a positioner type that can easily execute up to 512 positioning points.

2 The I/O signal pin assignments can be changed for each function, from an available 6 or more pin patterns.

3 It can be operated using the same signal as an electromagnetic valve that operates an air cylinder, and can be used as its replacement.

4 Its compact size allows users to conserve space around the control panel.
(35 mm wide x 68.1 mm deep x 178.5 mm high)

(Connecting Actuators)

ROBO Cylinder High-Thrust Type
RCP2-RA10C

ROBO Cylinder High-Speed Type
RCP2-HS8C / HS8R

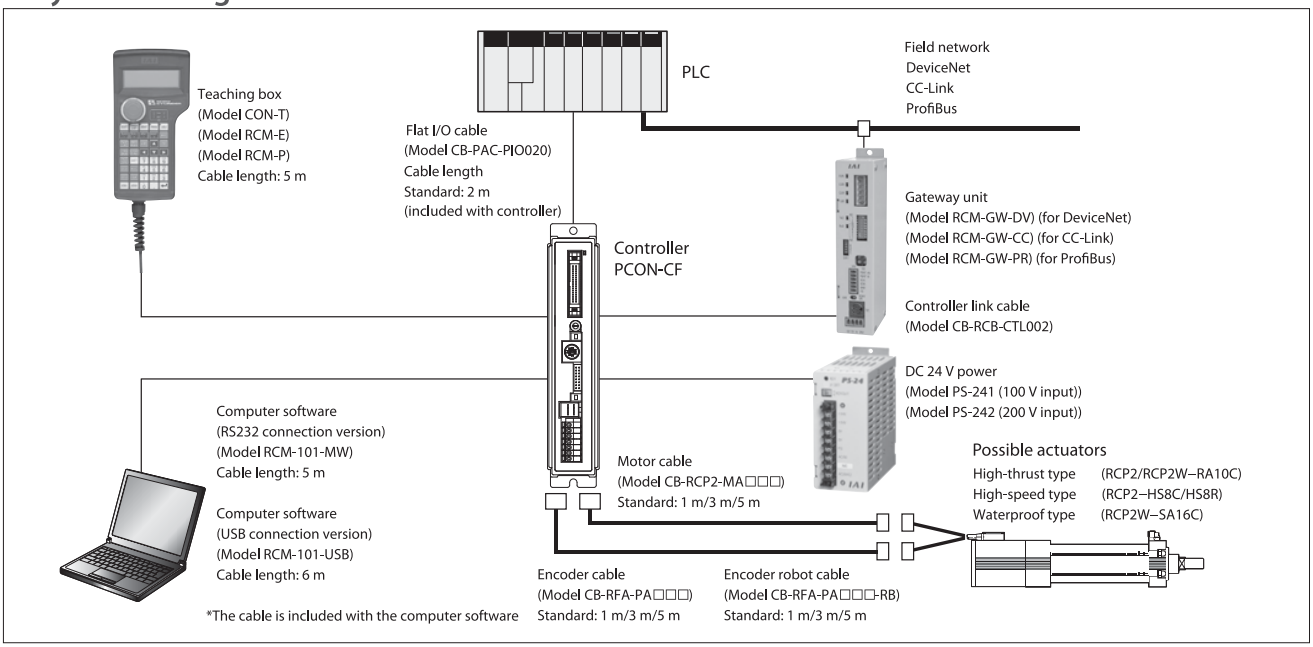
ROBO Cylinder Waterproof Type
RCP2W-SA16C

Model

PCON — **CF** — **86P** — | — □ — □ — **0**

- PCON: Series
- CF: Name
- 86P: Motor Type
- |: Encoder Type
- □: Standard I/O
  - NP: NPN specifications (standard)
  - PN: PNP specifications
- □: I/O cable length
  - 0 : No cable
  - 2 : 2m
  - 3 : 3m
  - 5 : 5m
- 0: Voltage: 24 V

System configuration



Specifications

Component	Specifications
Connecting actuator	RCP2/RCP2W-RA10C RCP2-HS8C/HS8R RCP2W-SA16C
No. of control axes:	1
Operating system	positioner
No. of positioning points:	512
Back-up memory:	EEPROM
I/O connector:	40-pin connector
I/O points (*1)	Input: 16 points. Output: 16 points
Serial communication:	RS485, 1 ch.
Peripheral device communication cable:	CB-PAC-PIO□□□
Incremental encoder	with position detection system
Built-in drive source	shut-off relay for emergency stopping
Electromagnetic brake	forced release switch ON/OFF
Motor cable	CB-RCP2-MA□□□
Encoder cable (Encoder robot cable)	CB-RFA-PA□□□ (CB-RFA-PA-□□□-RB)
Input power:	DC 24 V ±10%
Maximum power capacity:	6 A (Surge current=motor drive source power only, peak 10 A)
Dielectric strength:	DC 500 V, 1 MΩ
Ambient operating temperature:	0-40°C (about 20°C is desirable)
Ambient operating humidity for use:	95% RH or less (no condensation)
Ambient operating environment:	No corrosive gases, no dust
Protection class:	IP20
Mass:	Approximately 320 g

(*1) The I/O pin assignments are the same as other PCON controllers.

External View & Dimensions