

OMRON

BANK 8 12 **8-bank**

26 1.5 r/min 0.5°

max 1600 r/min

max 32 outputs

Cam Positioner

As Easy to Use as Before,
Now with Greatly Upgraded Functions.

Cam Positioner H8PS

16-/32-output Models
Added to Series



Applicable to a Wide Range of Rotational Positioning Control from Simple Timing Control to Large-scale Systems.

*Shown 32-output model with the cover removed.



Models with 8, 16, or 32 Outputs

The lineup includes Models with 32 outputs in a compact 1/4-DIN size. Using the optional Parallel Input Adapter enables expanding to up to 64 outputs for one encoder.

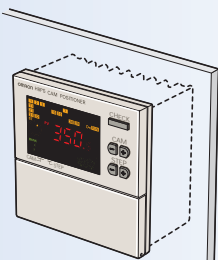
Saves Space



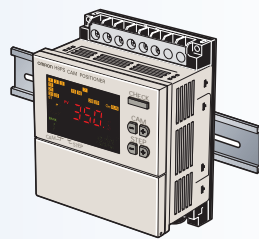
8 Outputs

16 Outputs

32 Outputs



Flush Mounting



Track Mounting

Models are available for Flush Mounting or Surface/Track Mounting, and are also available with either NPN or PNP Outputs.

Simple Programming

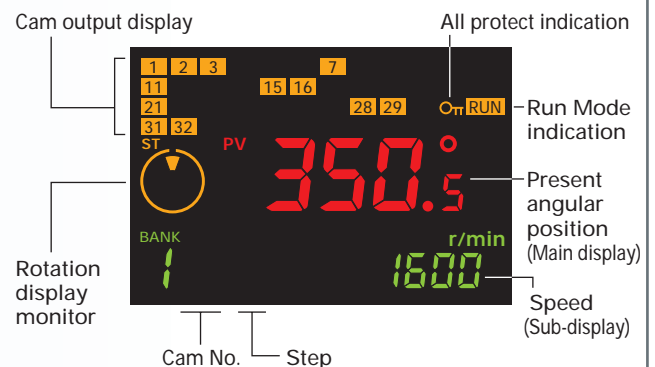


The programming method is based on a one key-one action concept for settings that could not be simpler. And Plus/Minus (+/-) Keys make settings even easier. Both initial settings and factory adjustments are effort-free.

A Large Display Area Shows Operating Status at a Glance

A large backlit negative transmissive LCD provides color-rich operating status displays. Just a glance lets you know the operating status. During operation, both the speed (rotations/minute) and present angular position are displayed. The speed can also be displayed on the main display instead of the sub-display.

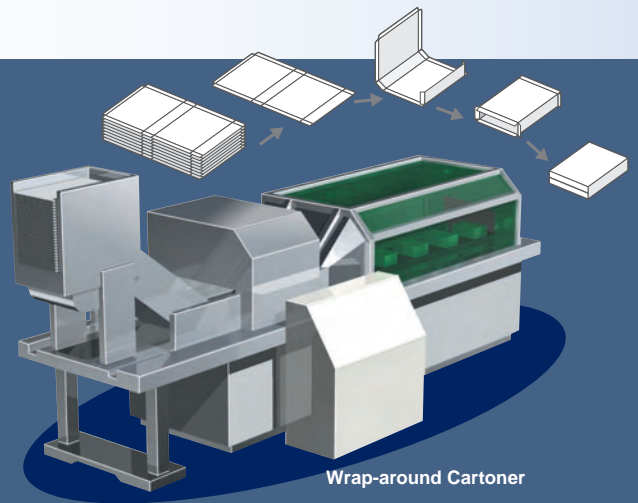
【Display in Run Mode】



Cam Positioner

Increase Productivity with High-speed Operation up to 1600 r/min and High-precision Settings to 0.5°.

- Packaging Machines
- Food Processing Machines
- Press Machines
- Other Timing Control Applications



Bank Function for Multi-product Production

Up to eight different programs can be registered in advance to enable fast and easy switching between products. (16-/32-output Models only)

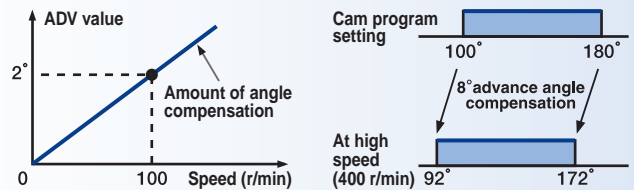
Cam Program (Bank No. 0)			
Cam No.	Step	ON angle	OFF angle
1	0	90	180
2	0	315	45
2	1	135	225
3	0	0	45
...

Cam Program (Bank No. 1)
Cam Program (Bank No. 2)

Bank No. 0 Bank No. 1 Bank No. 2

Advance Angle Compensation (ADV) Function

The advance angle compensation function automatically advances the ON/OFF angle of cam outputs in proportion to machine (encoder) speed to compensate for the delay in timing of ON/OFF operation. ADV values can be set individually for 7 cam outputs.



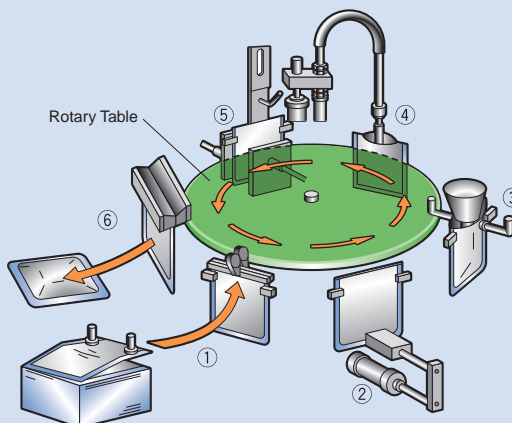
Detect Speed Errors with the Speed Alarm (Upper/Lower Limit) Output Function

Prevent Operating Errors with Key and Cam Protection Functions

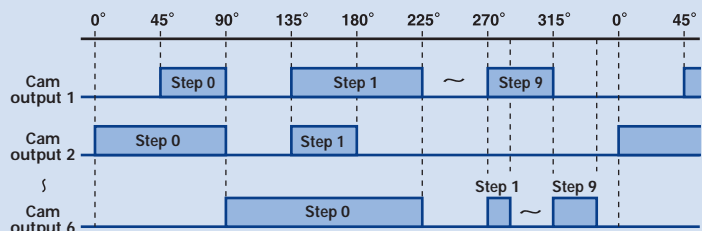
Output a Specified Number of Pulses per Rotation

Conforms to UL, CSA, and EMC Standards

Application Example Timing Control for a Pouch Filling and Wrapping Machine



- ① Arm control for supplying pouches from magazine
- ② Pump drive cylinder control
- ③ Filling control for fixed amount of solid material
- ④ Plunger and pump control for fixed amount of liquid
- ⑤ Sealing and deairing control
- ⑥ Sealing mold press time control and discharge arm control



Cam Positioner

Ordering Information

Refer to the H8PS Datasheet(Cat.No. M075) for detailed specification before placing orders.

Model Number Legend

H8PS-

1 2 3 4

1. Number of Output

8: 8 outputs
16: 16 outputs
32: 32 outputs

2. Panel Language

B: English

3. Mounting method

None: Flush mounting
F: Surface/ Track mounting

4. Output configuration

None: NPN transistor output
P: PNP transistor output

List of Models

Cam Positioner

Number of outputs	Mounting method	Output configuration	Bank function	Models
8 outputs	Flush mounting	NPN transistor output	No	H8PS-8B
		PNP transistor output		H8PS-8BP
	Surface mounting/ track mounting	NPN transistor output		H8PS-8BF
		PNP transistor output		H8PS-8BFP
16 outputs	Flush mounting	NPN transistor output	Yes	H8PS-16B
		PNP transistor output		H8PS-16BP
	Surface mounting/ track mounting	NPN transistor output		H8PS-16BF
		PNP transistor output		H8PS-16BFP
32 outputs	Flush mounting	NPN transistor output		H8PS-32B
		PNP transistor output		H8PS-32BP
	Surface mounting/ track mounting	NPN transistor output		H8PS-32BF
		PNP transistor output		H8PS-32BFP

Rotary Encoder

Type	Resolution	Cable length	Model
Economy	256	2m	E6CP-AG5C-C 256 2M
Standard	256	1m	E6C3-AG5C-C 256 1M
		2m	E6C3-AG5C-C 256 2M
	360		E6C3-AG5C-C 360 2M
	720	E6C3-AG5C-C 720 2M	
Rigid	256	2m	E6F-AG5C-C 256 2M
	360		E6F-AG5C-C 360 2M
	720		E6F-AG5C-C 720 2M

Accessories (Order Separately)

Name	Specification	Model
Discrete Wire Output Cable (See note.)	2m	Y92S-41-200
Connector-type Output Cable (See note.)	2m	E5ZE-CBL200
DIN track Mounting Base	For H8PS- <input type="checkbox"/> BF <input type="checkbox"/>	Y92F-91

Note: For 16-/32-output modes, 8-output models require no output cable.

A datasheet and operation manual are available.

Datasheet: Cat. No. M075
Operation Manual: Cat. No. Z199

Cat. No. M076-E1-01 **In the interest of product improvement, specifications are subject to change without notice.**

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