

■ Explanation of Position Data

Input the following position data to the controller and specify a desired number in the far-left column using an input/output signal, and the actuator will start moving to the specified position (coordinates) at the specified speed, acceleration and deceleration.

①	②	③	④	⑤	⑥	⑦	⑧	⑨		⑩	⑪	⑫	⑬
No	Position (mm)	Speed (mm/sec)	Acceleration (G)	Deceleration (G)	Push (%)	Threshold (%)	Positioning band (mm)	Zone -	Zone +	Acceleration / deceleration mode	Incremental	Command mode	Standstill mode
0	50.00	100.00	0.30	0.30	0	0	0.10	0.00	0.00	0	0	0	0
1	100.00	500.00	0.30	0.10	0	0	0.10	10.00	20.00	0	0	0	0
2	10.00	100.00	0.30	0.30	0	0	0.10	0.00	0.00	0	1	0	0
3													


① Position No.	Target position number specified externally.
② Position	Coordinates of the target position (distance from the home).
③ Speed	Specified speed at which the actuator will move to the target position.
④ Acceleration	Rate at which the actuator will accelerate to the specified speed after starting movement from a stationary state. Acceleration is set in G, where 1 G represents 9,800 mm/s ² (reaching 9,800 mm/s per second).
⑤ Deceleration	Rate at which the actuator will decelerate when stopping from a moving state. Deceleration is also set in G.
⑥ Push	Push force applied during push-motion operation (force with which the actuator rod pushes), indicated by a percentage of the maximum push force.
⑦ Threshold	When a press-fit task is performed as push-motion operation, this current value is used to check if the press-fit task was completed properly. Since a signal is output if the current threshold is exceeded, output of a position complete signal after a threshold signal indicates that the press-fit task was completed properly. *This function is available only with the PCON-CF controller (to be released soon).

⑧ Positioning band	In positioning operation, this value sets the distance in mm before the movement completion position where a position complete signal will be output. In push-motion operation, it indicates the range of push-motion operation.
⑨ Position zone	A signal can be output when the moving slider (or rod) enters the specified zone. Normally a zone signal requires the output range to be specified by parameters, and only up to two zones/output signals can be set. On the other hand, in the position data table a zone signal can be set for each position, up to 512 points. Note, however, that only one common output signal is used for all points, and the zone range specified for each position becomes valid only when the actuator passes through the specified position.
⑩ Acceleration / deceleration mode	This value is used to set acceleration / deceleration operation. (Available with the ACON/SCON only).
⑪ Incremental	Input an applicable value when performing pitch-feed operation. (0: Positioning operation, 1: Pitch-feed operation)
⑫ Command mode	Not used.
⑬ Standstill mode	Power-saving mode to be applied in standstill state.

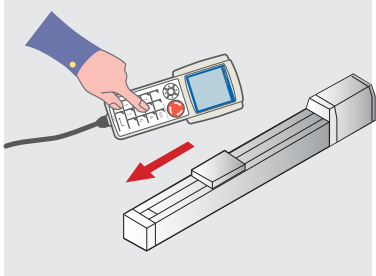
■ How to Input Target Positions

Positions can be input in any of the following three methods.

① Directly enter coordinates (mm) using numerical keys.



② Move the actuator by jogging/inking and write the achieved position.



③ Move the actuator to a desired position and write the achieved position.

