ORDERING INFORMATION   Model : PRP-2

PLEASE FILL IN THIS SECTION

Model	
Company	
Name	
P/O No.	

Specify the items you want to change. Default setting will be used if not specified.

DEFAULT shows values in case of nothing specified.

■ **INSTRUCTION**

(1) Fill in the sections enclosed with bold lines or mark ❑ with ✔.

(2) There is no need of this Ordering Sheet if all settings are as default.

ITEM	SET VALUE	DEFAULT	COMMENTS

HARDWARE SETTING Adjusted with switches with the terminal cover removed

ITEM	SET VALUE	DEFAULT	COMMENTS
ACTION	❑ Direct ❑ Reverse	Reverse	The output stem turns CCW when the input signal decreases.
ABNORMALLY LOW INPUT OPERATION	❑ Stop ❑ Full-open ❑ Full-closed	Stop	

HARDWARE OR SOFTWARE SETTING Adjusted with switches with the terminal cover removed or with Programming Unit

ITEM	SET VALUE	DEFAULT	COMMENTS
OUTPUT STEM POSITIONS AT FULL-CLOSED -5 – +50°, 0.1% incr.	❑ Full-closed (0°) ❑ ___ °	Full-closed (0°)	Stem position at full-closed.
OUTPUT STEM POSITIONS AT FULL-OPEN 40 – 95°, 0.1% incr.	❑ Full-open (90°) ❑ ___ °	Full-open (90°)	Stem position at full-open.
EX-FAC. STEM POSITION 0 – 90°, 0.1% incr.	❑ Full-open (90°) ❑ ___ °	Full-open (90°)	Stem position when the actuator shipped.

SOFTWARE SETTING Modifiable with Programming Unit

ITEM	SET VALUE	DEFAULT	COMMENTS
CLOSED SIDE LIMITER* -5 – +25%, 0.1% incr.	___ %	0%	
OPEN SIDE LIMITER* 75 – 105%, 0.1% incr.	___ %	100%	
FULL-CLOSED SIGNAL* 0 – 25%, 0.1% incr.	___ %	2.3%	Specify when the full-open/-closed signal is required. Full-closed signal ≥ (Closed side limiter + 0.5%)
FULL-OPEN SIGNAL* 75 – 100%, 0.1% incr.	___ %	97.7%	Specify when the full-open/-closed signal is required. Full-open signal ≤ (Open side limiter – 0.5%)
OPENING/CLOSING SPEED 1, 3, 8, 12, 20			Refer to the next page.
DEADBAND 0.1 – 5%, 0.1% incr.	DEADBAND RESOLUTION ❑ 0.5% 1/200 ❑ 0.4% 1/250 ❑ 0.2% 1/500 ❑ 0.1% 1/1000 ❑ ___ %	0.3%	Specify % of the rotating span as "Full-closed" and "Full-open" output stem position. Deadband affects the resolution.
RESTART LIMITING TIMER 0 – 30 sec., 0.1 sec. incr.	___ sec.	2 sec.	

*Specify % against the rotating span between "Full-closed" and "Full-open."

GUIDE TO ORDERING INFORMATION SHEET

■ EXPLANATIONS ABOUT THE PROGRAMMABLE ITEMS

1) Full-Open/-Closed Positions (ITEM No.10, 11)

Key in a percentage value within 0% for the turned fully CCW (close), and 100% for turned fully CW (open).

Note: The operating angle between the Full-open and Full-close must be 45° or more.

2) Open/Closed Side Limits (ITEM No.12, 13)

The adjustable ranges shown in Table 4 are applicable against the angle determined by the full-open/-closed positions as 100%.

3) Full-Open/-Closed Outputs (ITEM No.14, 15)

The adjustable ranges shown in Table 4 are applicable against the angle determined by the full-open/-closed positions as 100%.

4) Opening/Closing Speed Limit (ITEM No.19)

Opening/closing speed limit can be changed.

Set it referring to the table below.

SPEED SCALE	OPERATION TIME [sec./90°]	ALLOWABLE TORQUE [N·m]	RESTRAINT TORQUE* [N·m]
1	231		700
3	114	600	700
8	64	600	
12	50		650
20	34		650

Note: Allowable torque: 600 N·m max.

5) Deadband (ITEM No.20)

Set deadband for the maximum operating angle. Setting range is 0.1 to 5%.

Note: Setting a larger value makes the resolution worse.

6) Restart Limiting Timer (ITEM No.21)

The timer is provided to protect the motor from overheating, preventing it from restarting for a certain interval once the motor has been stopped within deadband.

When the high temperature protection is activated in a high temperature ambient, adjust the timer to a longer interval.

Adjustable range is within 0 to 30 sec.