ORDERING INFORMATION Model : PRP

PLEASE FILL IN THIS SECTION	FACTORY USE ONLY	
Model	Job No.	Approved by (Sales office)
Company	Ser No. –	Issued by (Sales office)
Name	Sales	
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 behind the cover			
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 behind the cover or with Programming Unit			
OUTPUT STEM POSITIONS AT FULL-CLOSED -5 – +50°	❑ Full-closed (0°) ❑ °	Full-closed (0°)	Stem position at full-closed.
OUTPUT STEM POSITIONS AT FULL-OPEN 40 – 95°	❑ Full-open (90°) ❑ °	Full-open (90°)	Stem position at full-open.
EX-FAC. STEM POSITION 0 – 90°	❑ 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.	%	3.6%	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.	%	96.4%	Specify when the full-open/-closed signal is required. Full-open signal ≤ (Open side limiter – 0.5%)
SPLIT RANGE	❑ Without ❑ With	Without	Mark [With] when the split range is required.
SPLIT RANGE TYPE	❑ Lo ❑ Hi	LO	Specify when the split range is required.
SPLIT RANGE POINT* 30 – 70%, 0.1% incr.	%	50%	Specify when the split range is required.
OPENING/CLOSING SPEED PRP-00: 1 – 50 PRP-10: 1 – 20			The opening/closing speed affects the torque. Refer to the next page. Opening/closing speed for following models are shown below. PRP-01: 30 PRP-03: 12 PRP-11: 20 PRP-13: 12
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 ❑ %	0.5%	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.	
FAILSAFE OPENING/CLOSING SPEED PRP-0: 1 – 50 PRP-1: 1 – 20		PRP-01: 30 PRP-03: 12 PRP-11: 20 PRP-13: 12	Specify when “Failsafe Function” option is selected. The opening/closing speed affects the torque. Refer to the next page.
FAILSAFE TARGET POSITION* 0 – 100%, 0.1% incr.	❑ Full-closed (0%) ❑ Full-open (100%) ❑ %	Full-closed (0%)	Specify when “Failsafe Function” option is selected. Specify % of the angle between “Full-open” and “Full-closed.”

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

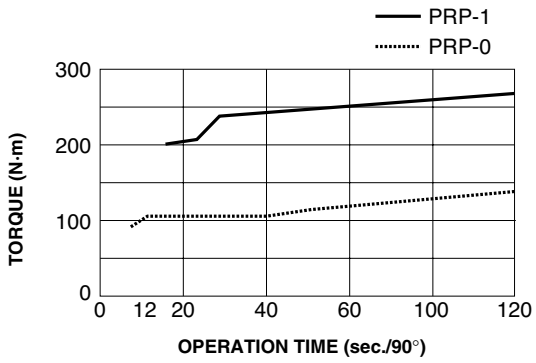
GUIDE TO ORDERING INFORMATION SHEET

■ OPERATION AT ABNORMALLY LOW INPUT

When the input goes down to approx. 1.5mA or 0.37V DC or below, the PRP goes to the abnormal low input operation (stop, full-open or full-closed).

■ OPENING/CLOSING SPEED LIMIT

Opening/closing speed affects the torque. Refer to the table below for checking required torque and attainable speed. The speeds for normal and failsafe operations can be set independently.
Acceleration or deceleration is not included in the speed. Acceleration or deceleration respectively requires approx. 0 to 2 sec.; takes longer with faster speed.



PRP-0 OPENING/CLOSING SPEED

SPEED SCALE	OPERATION TIME [sec./90°]	TORQUE	
		[N·m]	[ft·lbs]
1	125	140	103
3	60	125	92
5	45	120	88
8	33	120	88
10	28	110	81
12	24	110	81
17	18	110	81
30	12	110	81
34	10	110	81
50	8.5	90	66

PRP-1 OPENING/CLOSING SPEED

SPEED SCALE	OPERATION TIME [sec./90°]	TORQUE	
		[N·m]	[ft·lbs]
1	125	270	199
3	60	270	199
5	45	240	177
8	33	240	177
10	28	220	162
12	24	200	147
20	16	200	147

■ RESTART LIMITING TIMER

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.

■ SPLIT RANGE

Refer to figure below and determine the type and point of split range. When the split range is set to OFF, the split range type and point are invalid.