ORDERING INFORMATION MODEL: PSN1

PLEASE FILL IN THIS SECTION				FACTORY USE ONLY				
Model				Job No.		Inspected by:		
Company				Ser No.	_			
Name				Sales		Inspected by:		
P/O No.			-					
,	. ,			th bold lines or r ng Sheet if all se	mark □ with ✔. ttings are as default.			
ITEM	SET VALUE			DEFAULT	COMMENTS			
HARDWARE SETTING	a Adjusted	with switche	es be	ehind the cove	er.			
ACTION	Direct	Reverse		Reverse	The output stem becomes longer when the	input signal decreases.		
ABNORMALLY LOW INPUT OPERATION	☐ Stop ☐ Extend	☐ Retract		Stop				
HARDWARE OR SOF	TWARE SET	TING Adiuste	d w	ith switches b	ehind the cover or with Programmi	na Unit		
FULL-OPEN/CLOSED POSITIONS EXTENDED END 66 – 106 mm								
52 – 92 mm (stem button)		m	m	Longest				
FULL-OPEN/CLOSED POSITIONS RETRACTED END 66 – 106 mm	☐ Shortest				Length between the yoke surface and the edge of output stem with the shortest stem [Extended End] > [Retracted End]			
52 – 92 mm (stem button)		m	m	Shortest				
EX-FAC. STEM POSITION 66 – 106 mm	☐ Shortest				Length between the yoke surface and the e	edge of output stem		
52 – 92 mm (stem button)		m	m	Shortest				
SOFTWARE SETTING	Modifiab	le with Progr	amr	ning Unit				
EXTENDED SIDE LIMITER -5 – 25%, 0.1% incr.			%	0%	Specify % of the stroke span adjusted as "	Extended End" and "Retracted End".		
RETRACTED SIDE LIMITER 75 – 105%, 0.1% incr.			%	100%	Specify % of the stroke span adjusted as "Extended End" and "Retracted End".			
FULL-OPEN/-CLOSED SIGNAL					Specify when the full-open/-closed signal i	· · · · · · · · · · · · · · · · · · ·		
EXTENDED SIDE 0 – 25%, 0.1% incr.			%	2%	Specify % of the stroke span adjusted as " Full-open/-closed signal ≥ (Extended side			
FULL-OPEN/-CLOSED SIGNAL RETRACTED SIDE					Specify when the full-open/-closed signal i Specify % of the stroke span adjusted as "	s required. Extended End" and "Retracted End".		
75 – 100%, 0.1% incr.	□ \M/:+b +		-	98%	Full-open/-closed signal ≤ (Retracted side	·		
SPLIT RANGE SPLIT RANGE TYPE	☐ Without☐ LO	☐ With	-	Without	Mark [With] when the split range is required. Specify when the split range is required.	90.		
SPLIT RANGE TYPE SPLIT RANGE POINT				LU	Specify when the split range is required.			
30 – 70%, 0.1% incr.			%	50%	Specify % of the stroke span adjusted as "			
OPENING/CLOSING SPEED 1 – 50				16	The opening/closing speed affects the thru	st. Refer to the next page.		
DEADBAND 0.1 – 5%		-	%	0.5%	Specify % of the maximum stroke.			
RESTART LIMITING TIMER 0 – 30 sec., 0.1 sec. incr.		se	c.	2 sec.				
FAILSAFE OPENING/ CLOSING SPEED, 1 – 50				16	Specify when "Failesafe Function" option is The opening/closing speed affects the thru			
FAILSAFE TARGET POSITION 0 – 100%, 0.1% incr.			%	0%	Specify when "Failesafe Function" option is Specify % of the stroke span adjusted as "			

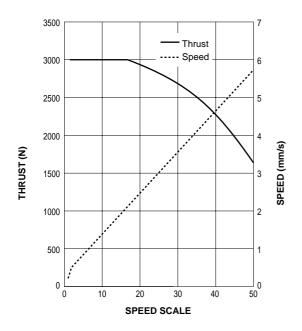
GUIDE TO ORDERING INFORMATION SHEET

■ OPERATION AT ABNORMALLY LOW INPUT

When the input goes down to approx. 1.5mA or 0.37V DC or below, the PSN goes to the abnormal low input operation (stop, retract or extend).

■ OPENING/CLOSING SPEED LIMIT

Opening/closing speed affects the thrust. Refer to the table below for checking required thrust and attainable speed. Acceleration or deceleration is not included in the speed. Acceleration or deceleration respectively requires approx. 0 to 2 sec.; takes longer with faster speed.



PSN1 OPENING/CLOSING SPEED LIMIT

SPEED	SPEED [V]	OPERATION TIME	THRUST		
SCALE [A]	(mm/s)	(s/20 mm)	N	lbs	
1	0.30	66.0	3000	674	
2	0.54	37.3	3000	674	
16	2.03	9.9	3000	674	
35	4.05	4.9	2500	562	
44	5.01	4.0	2000	450	
50	5.65	3.5	1600	360	

Speed [V] achieved by Speed Scales [A] other than mentioned above can be approximately calculated by the following equation: Speed [V] = $0.106 \times \text{Speed Scale [A]} + 0.323$, where $2 \le A \le 50$

■ 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.

