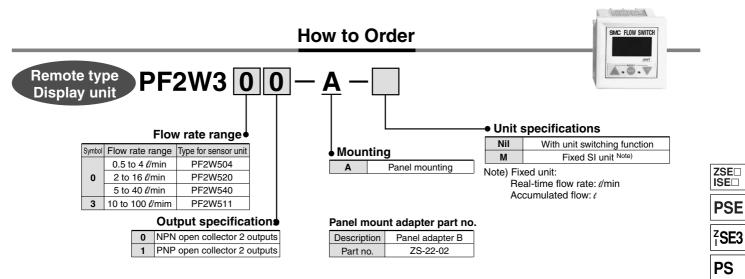
Digital Flow Switch For Water Series PF2W



Specifications

Model		PF2W300/301				PF2W330/331
Flow rate measurement range Note 1)		0.35 to 4.5 ℓ/min	1.7 to 17.0	∉/min	3.5 to 45 ℓ/min	7 to 110 //min
Set flow rate range Note 1)		0.35 to 4.5 ℓ/min	1.7 to 17.0	∉/min	3.5 to 45 ℓ/min	7 to 110 ℓ/min
Minimum setting unit Note 1)		0.05 ℓ/min	0.1 <i>ℓ</i> /min		0.5 ℓ/min	1 ∉/min
Accumulated pulse flow rate exchange value (Pulse width: 50 ms) Note 1)		0.05 ℓ/pulse	0.1 <i>ℓ</i> /pul	lse 0.5 l/pulse		1 <i>t</i> /pulse
Display unit Real-time flow rate Accumulated flow		ℓ/min, gal (US)/min				
		<i>ℓ</i> , gal (US)				
Accumulated flow range		0 to 999999 l				
Linea	rity Note 3)	±5% F.S. or less				±3% F.S. or less
Repeatability Note 3)		±3% F.S. or less				±1% F.S. or less
Temperature characteristics		$\pm 2\%$ F.S. or less (0 to 50°C, based on 25°C), $\pm 1\%$ F.S. or less (15 to 35°C, based on 25°C)				
Curre	ent consumption (No load)	50 mA or less				60 mA or less
Weight		45 g				
Output Note 4) specifications	Switch output	NPN open collector (PF2W300, PF2W330) NPN open collector (PF2W300, PF2W330) Maximum applied voltage: 30 V 2 outputs				oad current of 80 mA)
		PNP open collector (PF2W301, PF2W331) Maximum load current: 80 mA Internal voltage drop: 1.5 V or less (With load current of 80 mA) 2 outputs				
	Accumulated pulse output	NPN or PNP open collector (Same as switch output)				
E	nclosure	IP40				
	perating temperature range	Operating: 0 to 50°C, Stored: –25 to 85°C (No condensation or freezing)				
Stance In	ithstand voltage	1000 VAC for 1 min. between external terminal and case				
iVi Besi In	sulation resistance	50 M Ω (500 VDC) between external terminal and case				
	bration resistance	10 to 500 Hz at whichever is smaller: 1.5 mm amplitude or 98 m/s ² acceleration in X, Y, Z directions for 2 hrs. each				
	pact resistance	490 m/s ² in X, Y, Z directions 3 times each				
	bise resistance	1000 Vp-p, Pulse width 1 μ s, Rise time 1 ns				
Display		3-digit, 7-segment LED				
Indicator light		Lights up when output is ON, OUT1: Green; OUT2: Red				
Power supply voltage		12 to 24 VDC (Ripple ±10% or less)				
Response time		1 sec. or less				
Hysteresis		Hysteresis mode: Variable (can be set from 0) Window comparator mode: 3-digit fixed Note 5)				

Note 1) Values vary depending on each set flow rate range.

Note 2) For digital flow switch with unit switching function. (Fixed SI unit [//min or /] will be set for switch types without the unit switching function.)

Note 3) The system accuracy when combined with PF2W5.

Note 4) Switch output and accumulated pulse output can be selected during initial setting.

Note 5) Window comparator mode — Since hysteresis (H) will reach 3 digits, keep P_1 and P_2 or n_1 and n_2 apart by 7 digits or more. (In case of output OUT2, n_1, 2 to be n_3, 4 and P_1, 2 to be P_3, 4.)

Note 6) The display unit is comformed to CE mark.



^ZSE¹

ZSP

ISA2

IS□

ZSM

PF2□

IF

Data