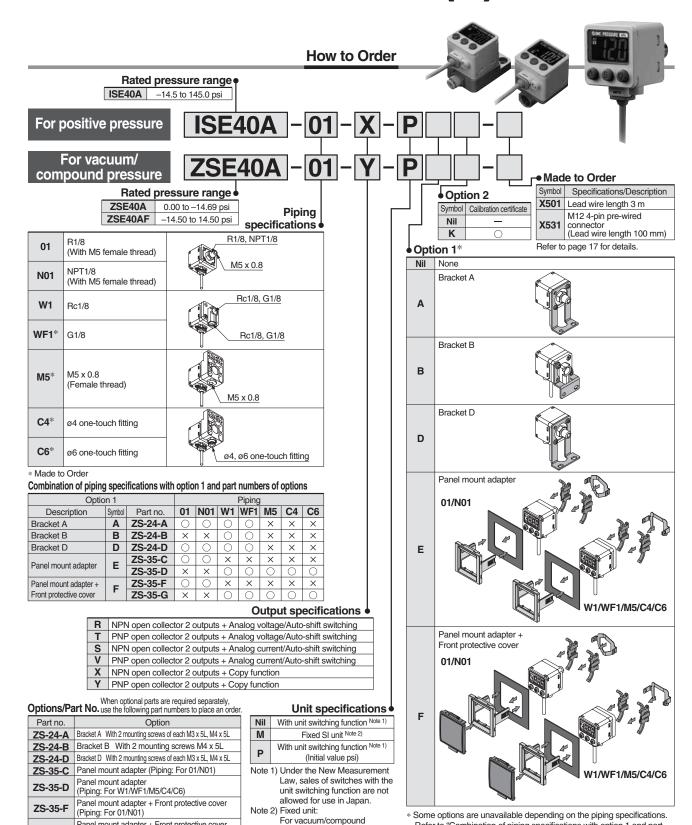
2-Color Display High Precision **Digital Pressure Switch**

Series ZSE40A(F)/ISE40A



pressure: kPa

Panel mount adapter + Front protective cover

(Piping: For W1/WF1/M5/C4/C6)

Refer to "Combination of piping specifications with option 1 and part

numbers of options".

Series ZSE40A(F)/ISE40A

Specifications

Model			ZSE40A (vacuum pressure)	OA (vacuum pressure) ZSE40AF (compound pressure) ISE					
Rated pressure range			0.00 to -14.69 psi	-14.50 to 14.50 psi	-14.5 to 145.0 psi				
Display/Set pressure range			1.45 to -15.23 psi	-15.22 to 15.22 psi	-15.2 to 152.3 psi				
Withstand pressure			72.5 psi	72.5 psi	218 psi				
Display/Minimum unit setting			0.01 psi	0.02 psi	0.1 psi				
Applicabl	le fluid		Air, Non-corrosive gas, Non-flammable gas						
Power supply voltage			12 to 24 VDC ±10%, Ripple (p-p) 10% or less (with power supply polarity protection)						
Current consumption			45 mA or less						
Switch output			NPN or PNP open collector 2 outputs (Selectable)						
	Maximum	load current	80 mA						
	Maximum applied voltage		28 V (at NPN output)						
	Residual v	/oltage	1 V or less						
	Response	time	2.5 ms (with anti-chattering function: 20, 100, 500, 1000, 2000 ms)						
	Short circ	uit protection	Yes						
Repeat ac	ccuracy		±0.2% F.S. ±1 digit						
Hysteresis	Hysteresis	s mode	Variable (0 or above) Note 1)						
nysteresis	Window comparator mode			variable (0 of above)					
	Note 2)	Output voltage	1 to 5 V ±	0.6 to 5 V ±2.5% F.S.					
	Voltage	(Rated pressure range)							
	output	Linearity Output impedance	±1% F.S. or less						
Analog		Output impedance Output current		Approx. 1 kΩ					
output	Note 3	(Rated pressure range)	4 to 20 mA ±2.5% F.S.		2.4 to 20 mA ±2.5% F.S.				
	Current	Linearity	±1% F.S. or less						
	output	Load impedance	Maximum load impedance: 300 Ω (Power supply voltage 12 V)						
			600 Ω (Power supply voltage 24 V)						
Auto obif	t innut		Minimum load impedance: 50 Ω						
Auto-shift input			Non-voltage input (Reed or Solid state), Low level: 0.4 V or less, 5 ms or longer input						
Display Display accuracy			3 1/2-digit, 7-segment, 2-color LCD (Red/Green)						
Indicator			±2% F.S. ±1 digit (Ambient temperature of 77 ±5°F) Lights up when output is turned ON. OUT1, OUT2: Orange						
indicator	Enclo	ASIIre	IP65						
		ating temperature range	Operating: 23 to 122°F, Stored: 14 to 140°F (No freezing or condensation)						
		ating humidity range	Operating/Stored: 35 to 85% RH (No condensation)						
Environm		stand voltage	1000 VAC for 1 minute between live parts and case						
resistanc	111111111111111111111111111111111111111		50 MΩ or more between live parts and case (at 500 VDC Mega)						
	Vibra	tion resistance	10 to 150 Hz at whichever is smaller of 1.5 mm amplitude or 20 m/s ² acceleration, in X, Y, Z directions, for 2 hours each (De-energized)						
	Impa	ct resistance	100 m/s ² in X, Y, Z directions, 3 times each (De-energized)						
Temperature characteristics			±2% F.S. (Based on 77°F)						
Lead wire			Oilproof heavy-duty vinyl cable ø3.5, 2 m Conductor area: 0.15 mm² (AWG26) Insulator O.D.: 0.95 mm						
Standards			CE marking, UL (CSA), RoHS compliance						
			CE marking, UL (CSA), ROHS compliance						

Note 1) If the applied voltage fluctuates around the set-value, the hysteresis must be set to a value more than the fluctuating width, otherwise chattering will occur. Note 2) When the analog voltage output is selected, the analog current output cannot be selected.

Piping Specifications

I	Part no.	01	N01	W1	WF1	M5	C4	C6
Port size		R1/8 (With M5 female thread)	NPT1/8 (With M5 female thread)	Rc1/8	G1/8	M5 x 0.8 female thread	ø4 one-touch fitting	ø6 one-touch fitting
Material of parts in contact with fluid	Sensor pressure receiving area	Silicon						
	Piping port	C3602 (Electroless nickel plated) O-ring: HNBR		ZDC2 O-ring: HNBR			ZDC2, POM, Stainless steel 304, C3604 (Electroless nickel plated) O-ring: HNBR	
Weight		78 g	79 g	97	' g	104 g	101 g	



Note 3) When the analog current output is selected, the analog voltage output cannot be selected.