

PAD SERIES



Precise Pressure Control

ORDER GUIDE

Appearance (mm in)	Display pressure range	Model No.	Applicable pressure sensor
	+0.0~+100.0kPa	PAD-D1	PLX-D1L
	+0.000~+1.000MPa	PAD-1	PLX-1L
	+0.000~+1.999MPa	PAD-2	PLX-2L
	+0.00~+10.00MPa	PAD-10	PLX-10L
	+0.0~+50.0MPa	PAD-50	PLX-50L

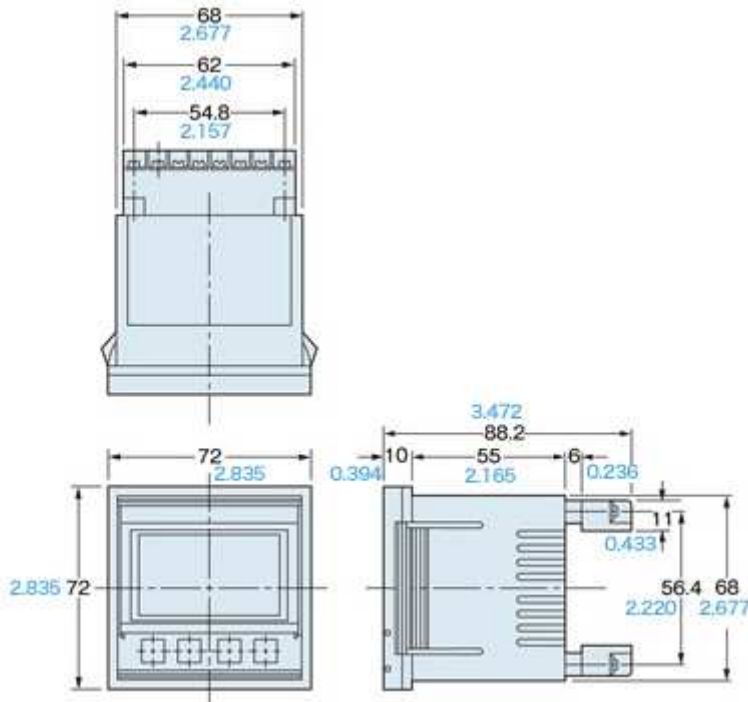
SPECIFICATIONS

Model No.		PAD-D1	PAD-1	PAD-2	PAD-10	PAD-50
Applicable pressure sensor		PLX-D1L	PLX-1L	PLX-2L	PLX-10L	PLX-50L
Supply voltage		12 to 24 V DC \pm 10 % Ripple P-P 10 % or less				
Current consumption		260 mA or less				
Power supply for sensor		12 V DC $^{+10}$ / ₀ %, 70 mA or less				
Inputs	Sensor input	Range of input current: 4 to 20 mA (Maximum allowable current: 50 mA) Input impedance: 20 Ω approx. Sampling cycle: 50 ms (20 times/sec.)				
	Auto-reference input	Activating auto-reference function <ul style="list-style-type: none"> • Operation: NPN non-contact input, edge trigger at signal falling • Signal condition Low level: 1.5 V or less Low level output current: 0.6 mA or less Low level input time: 0.5 ms or more				
Outputs	Comparative outputs (HI, GO, LO)	NPN open-collector transistor <ul style="list-style-type: none"> • Maximum sink current: 100 mA • Applied voltage: 30 V DC or less (between comparative output and 0 V) • Residual voltage: 1 V or less (at 100 mA sink current) 0.4 V or less (at 16 mA sink current) 				
	Response time	100 ms or less (150 ms or less during auto-reference active)				
Display	Measurement value display	3 1/2 digit LCD display [Sampling cycle: 250 ms (4 times/sec.)]				
	Display range	+0.0 to +100.0 kPa	+0.000 to +1.000 MPa	+0.000 to +1.999 MPa	+0.00 to +10.00 MPa	+0.0 to +50.0 MPa
	Setting value display	3 1/2 digit LCD display				
	Setting range	-199.9 to +199.9 kPa	-1.999 to +1.999 MPa	-1.999 to +1.999 MPa	-19.99 to +19.99 MPa	-199.9 to +199.9 MPa
Comparative output display		"HI", "GO" or "LO" LCD display (HI, GO or LO lights up when the corresponding output is activated)				
Indication accuracy		\pm (measurement value x 0.15 % + 1 digit) or less at 23 \pm 1 $^{\circ}$ C 73.4 \pm 33.8 $^{\circ}$F				
Ambient temperature		0 to +50 $^{\circ}$ C +32 to +122 $^{\circ}$F (No dew condensation), Storage: -10 to +60 $^{\circ}$ C +14 to +140 $^{\circ}$F				
Connection method		Terminal block				
Weight		230 g approx.				
Dimensions		W72 x H72 x D88.2 mm W2.835 x H2.835 x D3.472 in				

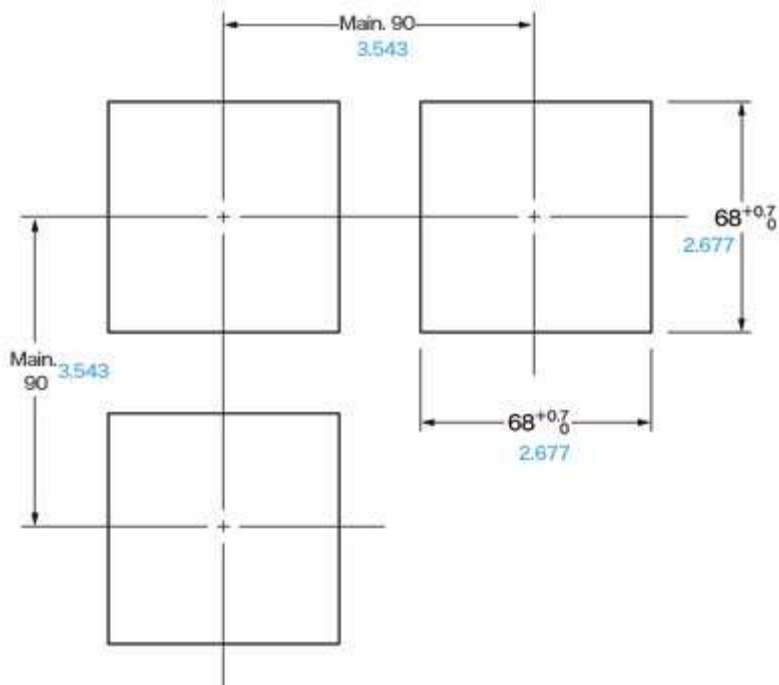
Note:

Where measurement conditions have not been specified precisely, the conditions used were an ambient temperature of +20 °C +68 °F .

DIMENSIONS (Unit: mm in)



Panel cut-out dimensions



Note:

Please consider the thickness of the panel be 1 to 4 mm.