

Standard Specifications



NISE30A — 01 — N — [] — [] — []

● Rated pressure range

Symbol	Content
NISE30A	-0.1~1MPa
NZSE30A	0~101KPa
NZSE30AF	-100~100KPa

● Piping specifications

Symbol	Content	
01	R1/8(M5 female thread)	
N01	NPT1/8(M5 female thread)	

● Output specifications

Symbol	Content
N	NPN open collector 1 output
P	PNP open collector 1 output
A	NPN open collector 2 outputs
B	PNP open collector 2 outputs
※C	NPN open collector 1 output + Analog voltage output
※D	NPN open collector 1 output + Analog current output
※E	PNP open collector 1 output + Analog voltage output
※F	PNP open collector 1 output + Analog current output

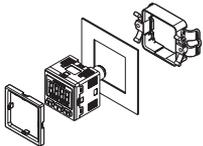
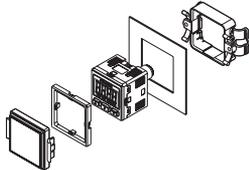
※ Made to Order

● Unit specifications

Symbol	Content
Nil	With display unit switching function
M	Fixed SL unit※

※ Fixed SL unit: KPa, Mpa

● Option2

Symbol	Content	
Nil	None	
A	Bracket A	
B	Panel mount adapter	
D	Panel mount adapter + Front protection cover	

● Option1

Symbol	Content	
Nil	Without lead wire	
L	Lead wire with connector (Lead wire length2m) ^{※1}	

¹ For put types N and P, the number of core of lead wires will be 3, and for other types, it will be 4.

Standard Specifications

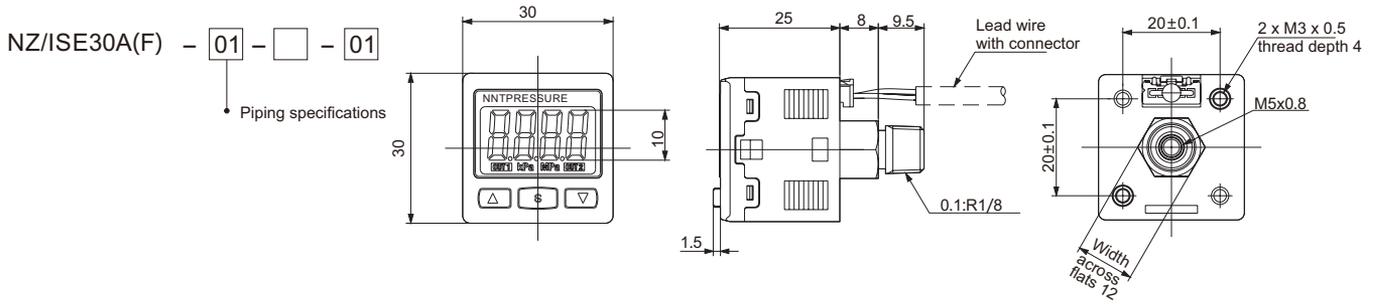
Model		NZSE30A (Vacuum pressure)	NZSE30AF (Compound pressure)	NISE30A (Positive pressure)	
Rated pressure range		0.0~101.0kPa	- 100.0~100.0kPa	- 0.100~1.000MPa	
Display/Set pressure range		10.0~105.0kPa	- 105.0~105.0kPa	- 0.105~1.050MPa	
Withstand pressure		500kPa	500kPa	1.5MPa	
Display/Minimum unit setting		0.1kPa	0.1kPa	0.001MPa	
Applicable fluid		Air, Non-corrosive gas, Non-flammable gas			
Power supply voltage		DC12~24V±10% , Ripple (p-p) 10% or less (with power supply polarity protection)			
Current consumption		40mA or less			
Switch output		NPN or PNP open collector 1 output, NPN or PNP open collector 2 outputs			
	Maximum load current	80mA			
	Maximum applied voltage	28 V (at NPN output)			
	Residual voltage	1 V or less (with load current of 80 mA)			
	Response time	2.5 ms or less (with anti-chattering function: 20, 100, 500, 1000, 2000 ms)			
	Short circuit protection	Yes			
Repeatability		±0.2%F.S.±1digit			
Hysteresis	Hysteresis mode	Variable (0 or above) ^{Note1)}			
	Window comparator mode				
Analog output	Voltage output ^{Note2)}	Output voltage (Rated pressure range)	1~5V±2.5%F.S.	0.6~5V±2.5%F.S.	
		Linearity	±1%F.S.		
		Output impedance	Approx. 1 kΩ		
	Current output ^{Note3)}	Output voltage (Rated pressure range)	4~20mA±2.5%F.S.	2.4~20mA±2.5%F.S.	
		Linearity	±1%F.S.		
		Load impedance	Maximum load impedance: Power supply voltage 12 V: 300 Ω, Power supply voltage 24 V: 600 Ω Minimum load impedance: 50 Ω		
Display		4-digit, 7-segment, 2-color LCD (Red/Green)			
Display accuracy		±2% F.S. ±1 digit (Ambient temperature of 25 ±3°C)			
Indicator light		Lights up when switch output is turned ON. OUT1: Green, OUT2: Red			
Environment	Enclosure	IP40			
	Operating temperature range	Operating: 0 to 50°C, Stored: -10 to 60°C (No freezing or condensation)			
	Operating humidity range	Operating/Stored: 35 to 85% RH (No condensation)			
	Withstand voltage	AC1000V for 1 minute between terminals and housing			
	Insulation resistance	50 MΩ or more (DC500V measured via megohmmeter) between terminals and housing			
Temperature characteristics		±2%F.S. (25°C reference)			
Lead wire with connector ^{Note4)}		Oilproof heavy-duty vinyl cable, 3 cores ø3.5, 2 m 4 cores Conductor area: 0.15 mm ² (AWG26), Insulator O.D.: 1.0 mm			
Standards		CE, UL/CSA(E216656), RoHS			

Note1) If applied pressure fluctuates near the set value, set the hysteresis above the fluctuation range to prevent chattering

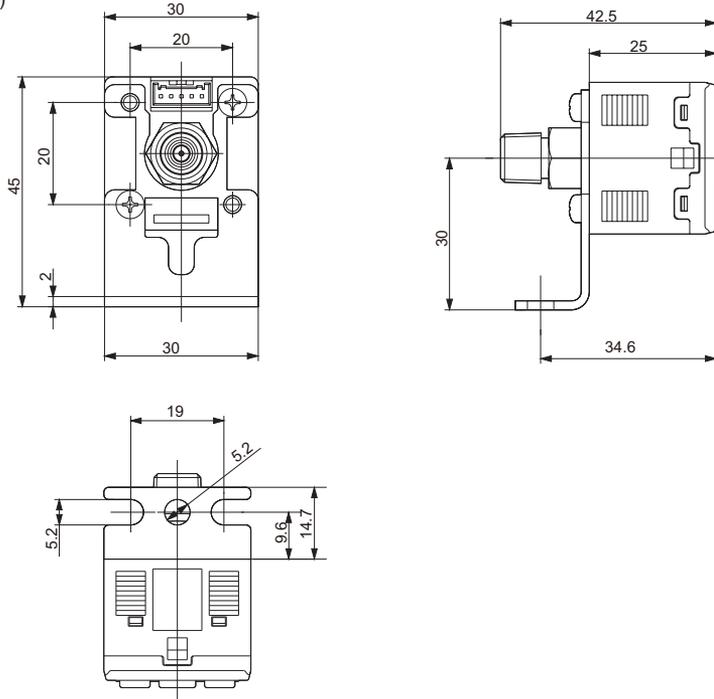
Note2) When analog voltage output is selected, analog current output cannot be used together.

Note3) When analog current output is selected, analog voltage output cannot be used together.

Dimensions

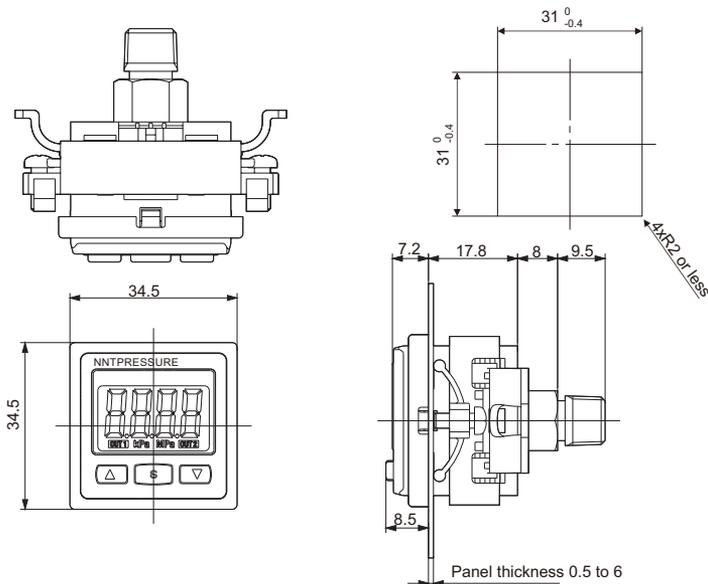


Bracket A
(Option unit part no.: NZS-38-A1)

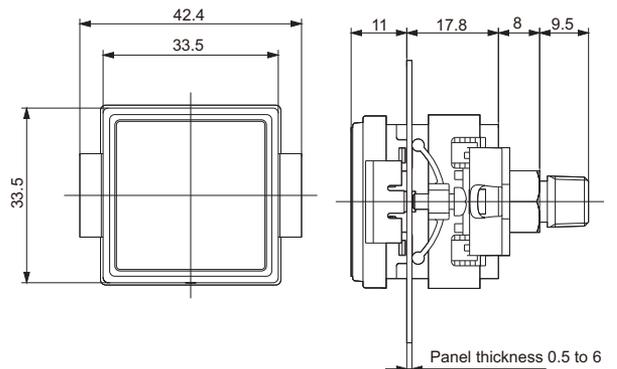


Panel mount adapter
(Option unit part no.: NZS-27-C)

1 pc. mounting



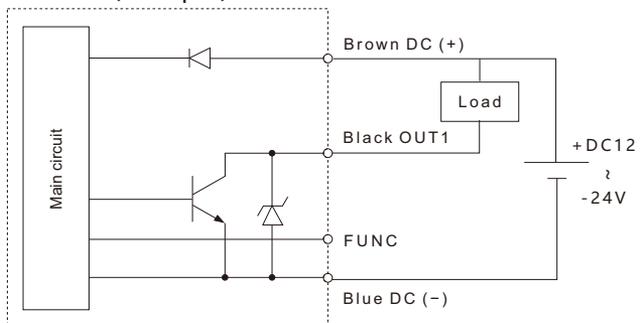
Panel mount adapter + Front protection cover
(Option unit part no.: NZS-27-D)



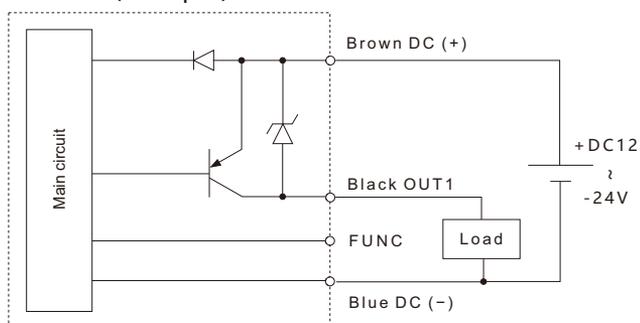
NZ/ISE30A(F)-□-□

Output specifications

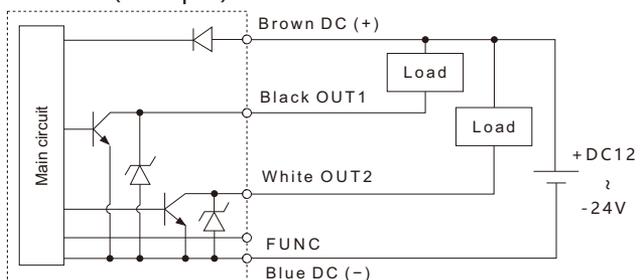
N NPN(1 output)



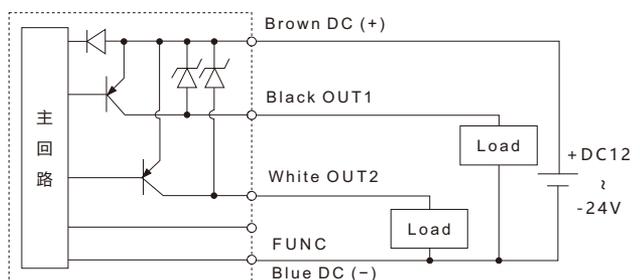
P PNP(1 output)



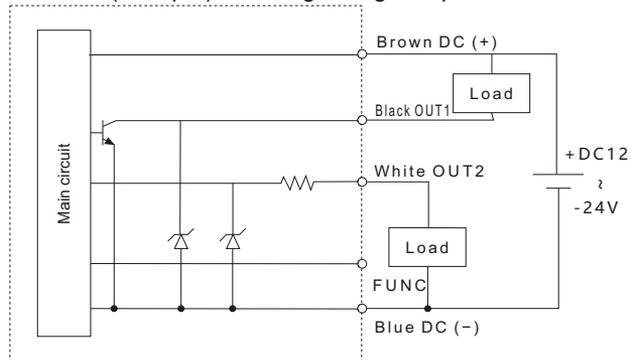
A NPN(2 output)



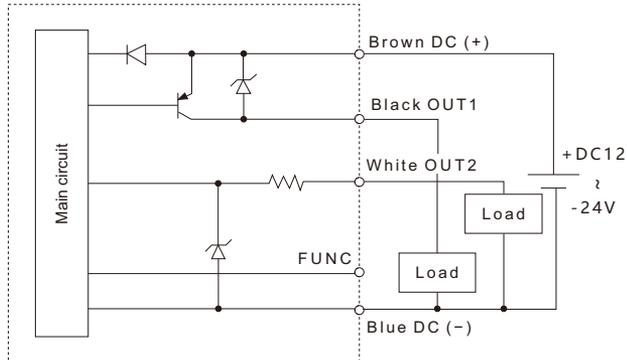
B PNP(2 output)



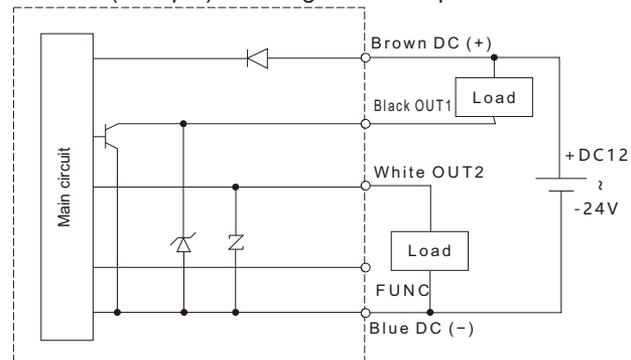
C NPN (1 output) + Analog voltage output



E PNP (1 output) + Analog voltage output



D NPN (1 output) + Analog current output



F PNP (1 output) + Analog current output

