

# KTD-041 series



### Features

- The pressure can be displayed by 3-colors
- Four pressure units are applied according to the user's choice
- The current pressure and set value are displayed on the two screen
- NPN or PNP output
- Easy to attach with custom adapter

### How to Order

KTD-041    P    -    022

①                      ②                      ③

#### ① Type

KTD-041	Digital pressure switch for regulator
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#### ② Pressure range

P	Positive(0.0~1.0MPa)
C	Compound(-100.0~100.0kPa)

#### ③ Switch output

022	2 NPN output
042	2 PNP output

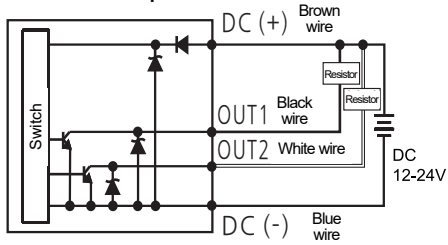
### Specifications

Type	KTD-041P(Positive)	KTD-041C(Compound))
Rated pressure range	0.000~1.000MPa	-100.0~100.0kPa
Setting pressure range	-0.100~1.000MPa	-101.0~101.0kPa
Resisting pressure	1.5MPa	300kPa
Application	Filtered air, Non-corrosive / Non-flammable gas	
Setting pressure resolution	kPa	0.1
	MPa	0.001
	kgf/cm <sup>2</sup>	0.01
	bar	0.01
	psi	0.01
	mmHg	1
Power supply voltage	DC12~24V(Ripple ±10% less)	
Current consumption	≤ 40mA (With no load)	
Switch output	Output type	2 NPN or 2 PNP open collector outputs
	Max. load current	125mA
	Max. supply voltage	DC30V(NPN Output), DC24V(PNP Output)
	Residual voltage	≤ 1.5V
	Response Time	Hattering-proof function: 50,250,500,1000,2000,3000ms
	Output short circuit protection	Yes

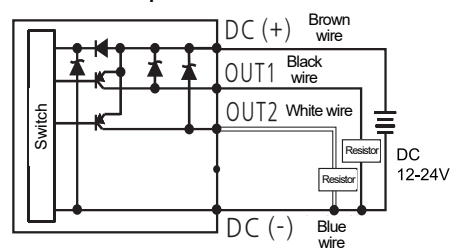
Display	LCD display	Two color(red,green,orange) Main & Unit display Orange Secondary display(Sampling rate: 5 times/1sec.)
	Switch ON Indicator	Orange (1 & 2 Indicator) OUT1 OUT2
	Update time	Adjustable
	Indicator accuracy	±2% F.S ±1 digit (ambient temperature:25 ±3℃)
Environmental standard	Repeatability (Switch output)	±0.2% F.S. ±1 digit
	Enclosure	IP40
	Ambient temperature range (Operation)	0 ~ 50℃
	Ambient temperature range (Storage)	-10~60℃(No condensation or freezing)
	Ambient humidity range	Operation/Storage: 35~85%RH(No condensation)
	Resisting voltage	1000V AC 1-min(between case and lead wire)
	Insulation resistance	50MΩ(at 500V DC, between case and lead wire)
	Vibration resistance	Total amplitude 1.5mm or 10G, 10Hz-55Hz-10Hz scan for 1 minute, two hours each direction of X, Y and Z
	Shock resistance	100m/s <sup>2</sup> (10G), 3 times each in direction of X, Y and Z
	Temperature characteristic	±2% F.S. of detected pressure (25℃) at temp. Range of 0~50℃
Lead wire	Oil-resistance cable(0.15mm <sup>2</sup> )	
Weight	65g(with 2 meter lead wire), 30g(with 2 meter Male connector)	

**Circuit Diagram**

**2 NPN Output**



**2 PNP Output**



**Dimensions**

