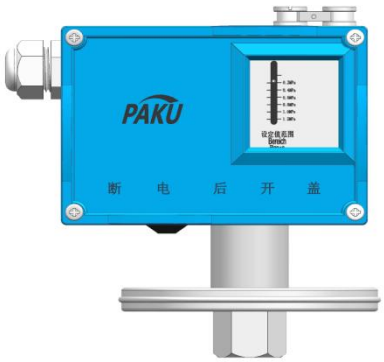
A



B

principle and characteristics

The controller adopts diaphragm type, bellows, pistons and spring tube pressure sensing elements, the common type can be used for corrosion of pressure sensing elements of gas, liquid or steam and other media to achieve automatic control of pressure. The explosion–proof mark of explosion–proof products is Exed11CT6, which can be used for automatic control of pressure in the places of 11 A, 11B, 11C class T1~T6 explosive gas mixture where the gas, liquid or steam media have no corrosive effect on pressure sensing elements. The set value of the controller is adjusted within the range of –0.1~ 40MPa. The working pressure is 1.5 times of the range.

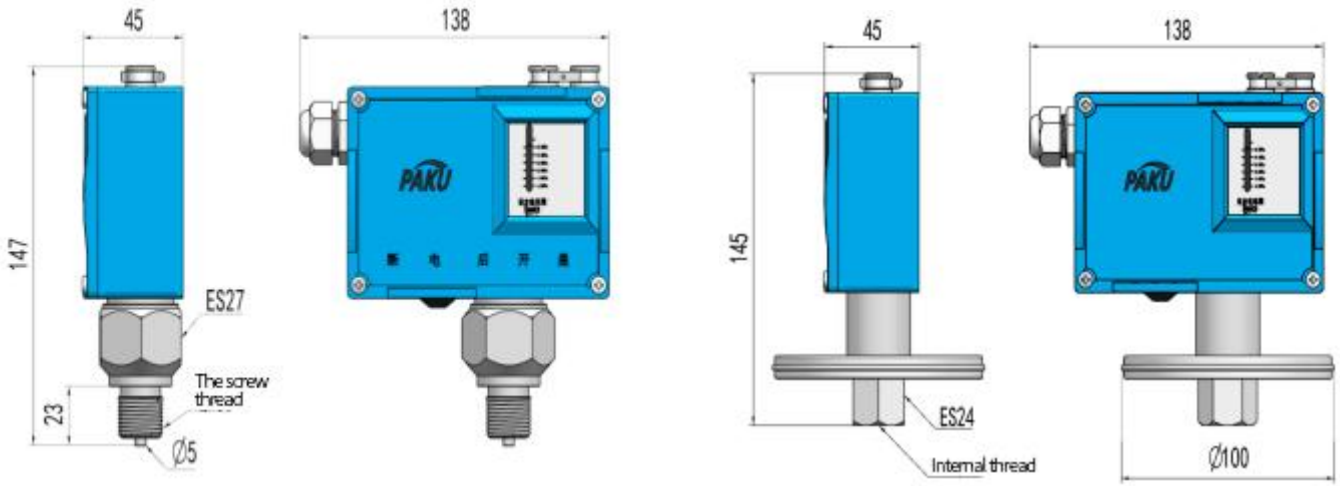
Main Parameter

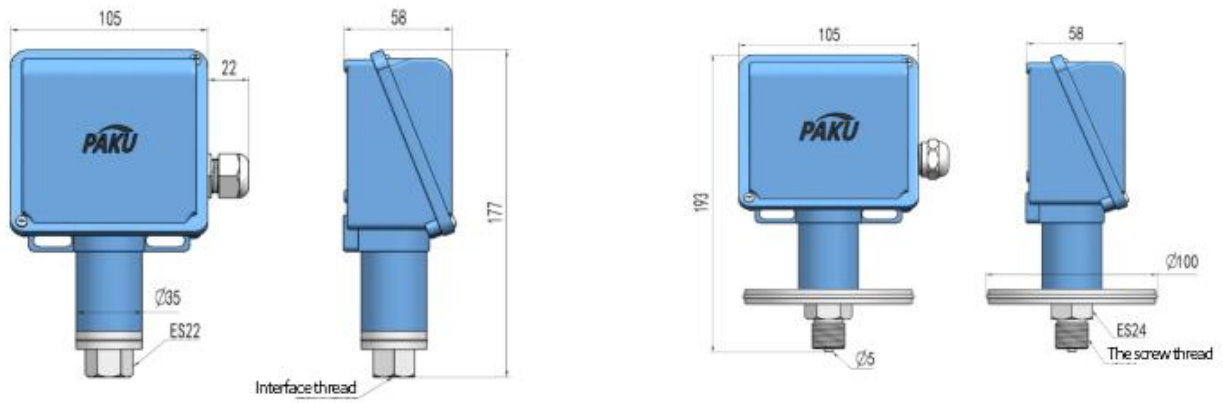
	Ordinary–sized	explosion proof type
Work viscosity	≤$10^{-3}m^2/s$	≤$10^{-3}m^2/s$
switch element	microswitch	microswitch
anti–hazard classification		EXedll CT6
enclosure protection class	IP67	IP67
environment temperature	–25℃...80℃	–25℃...80℃
service life	10^5loops	10^5loops
F–WFS	< Max · 2g	< Max · 2g
rated load	Vmax=380V max=5A	Vmax=380V max=5A
Renaturation of error	≤1.0%	≤1.0%

Range table

Range of code	range ability	slow–moving MPa	working pressure	Protect the pressure
K101	–100...0KPa	1.69–3.4KPa	75bar	90bar
K050	–5...0KPa	0.22–0.27KPa	1500mbar	2500mbar
K100	–10...0KPa	0.22–0.27KPa	1500mbar	2500mbar
K0505	–50...0KPa	1.69–3.4KPa	1500mbar	2500mbar
K010	–1...0KPa	0.02–0.07KPa	1500mbar	2500mbar

Dimensions are shown in Figure 1. Type A





Selection table

PN40D-	K101	B	1	1	G2H	X	M2	A	specification
PN40D–									PN40D series vacuum pressure
A1									Model A with display scale
A2									Model A does not have display
B									B
	K101								Model A does not have display scale
	K050								Range: – 5... 0KPa
	K100								Range: –– 10... 0KPa
	K...								Please refer to the range table, you can also customize the
	C								Diaphragm material: 316L
	D								Diaphragm material: NBR
	F								Diaphragm material: 304
		A							anti–explosion
		B							Don't riot
			1						SPDT(single pole and double throw)
			2						DPDT(double pole and double throw) – hysteresis is not adjustable
				1					Hysteresis is not adjustable.
				2					Hysteresis adjustable, maximum
Pressure interface					G4K				Internal thread of interface: G1/4
					M2H				External thread of interface:
					G2H				External thread of interface:
					G4H				External thread of interface:
					N2H				External thread of interface:
					N4H				External thread of interface:
materials						X			304 stainless steel
						XL			316 l stainless steel
electrical interface							M8		Interface: M18 * 1.5
							M2		Interface: M20 * 1.5
							G2		Interface: G1/2
							G4		Interface: G1/4
							N4		Interface: NPT1/4
							N2		Interface: NPT1/2
							N3		Interface: NPT3/4
Table of medium temperature parameters								A	Under 180 ℃
								B	Under 450 ℃
								C	normal temperature

* Customizable range。
* Customizable thread, H for external thread, K for internal thread。
* The selection table is only available for parameter selection, and the corresponding code is delivered。