

PW140D Mechanical adjustable differential pressure switch



principlestructure

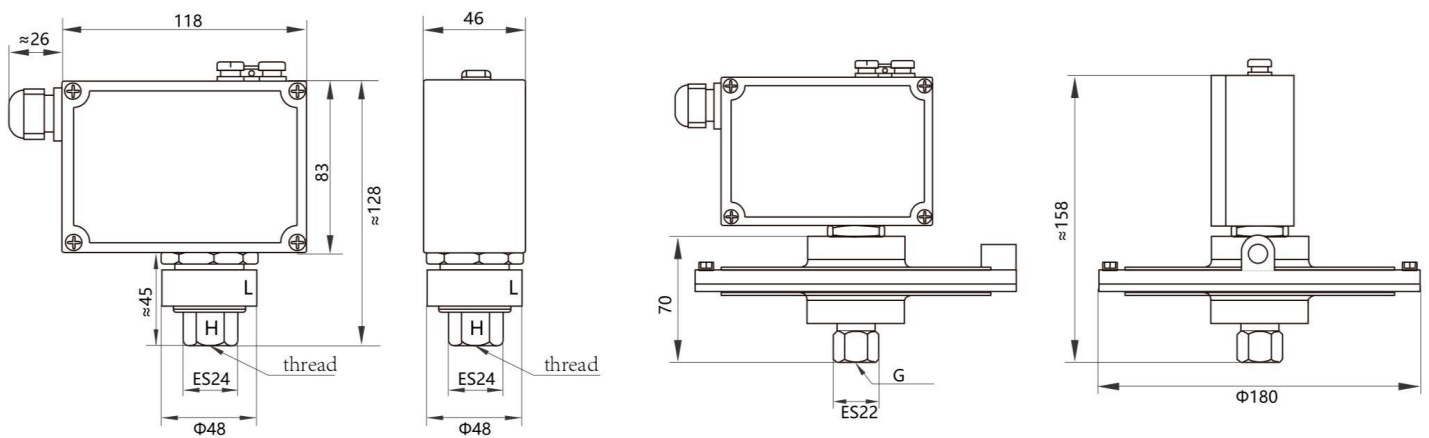
The controller adopts diaphragm type differential pressure sensing elements. The common type can be used for the pressure difference of the same or different pressure sources of the same or different pressure sources of the odor, liquid or steam and other media that can corrosion-sensing elements.

The explosion-proof mark of the explosion-proof product is Exed 11CT6, which can be used for the pressure difference of the same or different pressure sources in class 11A, class 11B, class 11C t1-t6 explosive gas mixture field of gas, liquid or steam with no corrosive effect on the load sensor.

The adjustment range of the set value of the controller is 0.02-2.5mpa.

Range code	Range	Dead zone	Switching frequency	Sensor material
G M 0 4	0 . 0 2 - 0 . 4 MPA	0 . 0 3 MPA	2 0 time/minute	3 1 6 L
G M 1 6	0 . 0 5 - 1 . 6 MPA	0 . 2 MPA	2 0 time/minute	3 1 6 L
G M 2 5	0 . 0 5 - 2 . 5 MPA	0 . 2 5 MPA	2 0 time/minute	3 1 6 L

size chart (mm)



Technical parameters

	Ordinary type	Explosion-proof type
Work viscosity	$\leq 10^{-3} \text{ m}^2/\text{S}$	$\leq 10^{-3} \text{ m}^2/\text{S}$
Switching element	Micro switch	Micro switch
Explosion-proof grade		EXed 11CT6
Enclosure protection class	IP 65	IP65
Environment temperature	- 15 ° C - 55 ° C	-15 ° C - 55 ° C
Environment humidity	5 % - 95 %	5% - 95%
Service life	10^5 time cycle	10^5 time cycle
Resistant	<Max · 2g	< Max · 2g
Rated load	Vmax = 380 VZ max 5A	Vmax = 380 VZ max = 5A
Renaturation error	$\leq 1.0 \%$	$\leq 1.0\%$

Selection table

PW140D-	GM 040	E	G 14K	M 20K	1	detailed
PW140D						PW140D pressure switch
	GM040					adjusting range : 0 .02-0 .4M Pa
	GM160					adjusting range : 0 .05- 1 .6M Pa
	GM250					adjusting range : 0 .2- 2 .5M Pa
		E				explosion- proof
		S				No explosion- proof
			G14K			mounting thread : G1/4 Internal thread
			G14M			mounting thread : G1/4 External thread
				G		Cable gran
				M 20K		Electrical interface : M 20*1 .5 Internal thread
				G12K		Electrical interface : G1/ 2 Internal thread
				N12K		Electrical interface : NPT1/ 2 Internal thread
					0	No display window
					1	With display window