



FUNCTIONAL CHARACTERISTICS

- Welded 316 stainless steel sensor
- Completely sealed enclosure
- Single switch output
- Adjustable working range

PRODUCT OVERVIEW

KC32 Series is designed with two separate, opposing bellows sensors which are connected by a rod to actuate the snap switch. It monitors the difference between two system pressures or vacuums, senses excessive flow deviation, or verifies that a filter is clogged, features high accuracy, compact enclosure and easy installation.

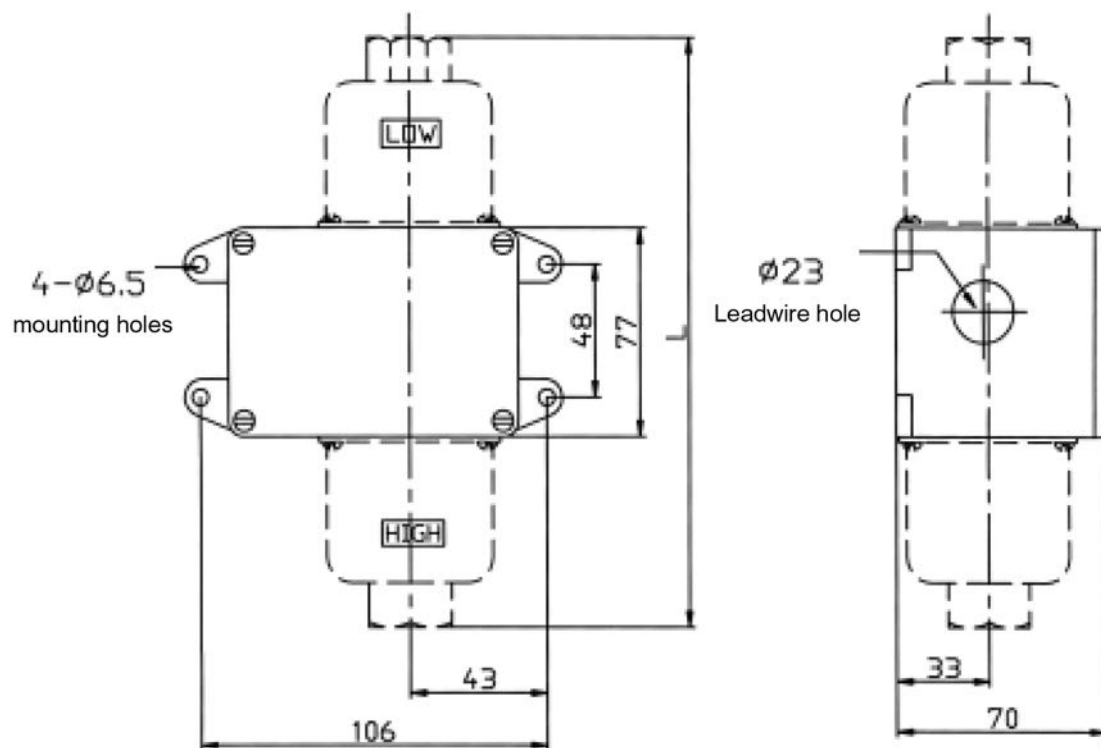
TECHNICAL SPECIFICATIONS

Working temperature:	-50 — 80 ℃
Set-point error:	± 1% of range
Enclosure:	die cast aluminum, epoxy coated
Switch output:	1 SPDT switches output, wired either Normal-Open or Normal-Closed
Electrical rating:	15A125/250/480VAC (resistive)
Weight:	0.85KG(approx)
Electrical connection:	Φ 23 (Dia. 24 conduit hole)
Pressure connection:	NPTF1/4"; NPTF 1/2"; M20*1.5F
Vibration-proof:	2.5G, 5 — 500Hz

Range available

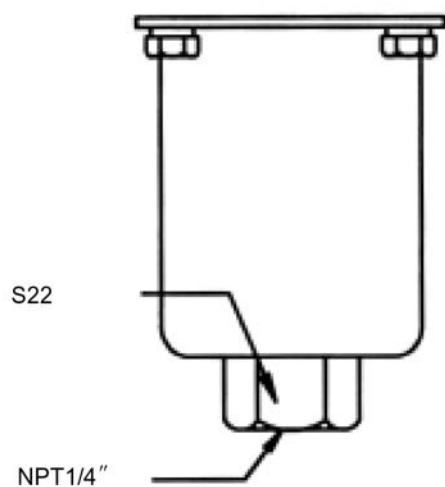
	Model	Sensor	MPa Proof pressure	MPa Range	MPa difference
2	85	Buna-N	6.9	0.021~0.207	0.007~0.034
	86	Buna-rubber diaphragm	6.9	0.069~0.69	0.014~0.056
	87		17.2	0.207~2.069	0.014~0.105
	88	Stainless steel inter face	17.2	0.345~3.448	0.021~0.14
4	89		2.07	0.021~0.207	0.002~0.014
	90	Stainless steel metal bellows	2.07	0.069~0.69	0.003~0.021
4	91	Stainless Steel bellows	0.13	-0.1~0	1~2KPa
	92		0.056	0~0.04	0.8~4KPa
	93		0.40	0~0.3	2.5~5.5KPa
	94	Stainless Steel bellows	0.67	0~0.5	12~15KPa

Dimensions (mm)

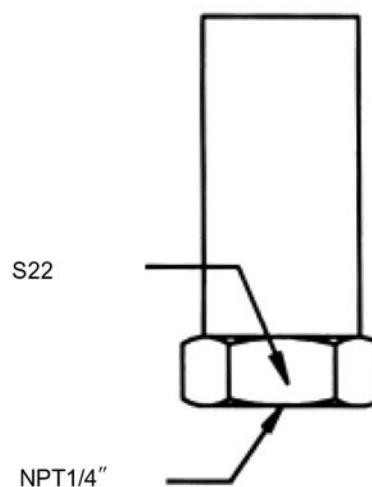


Optional Pressure Sensors Note: To select a pressure sensor considering process media and working range.

Model: 91-93



Model: 94; 85-88



HOW TO ORDER

	CODE	CHARACTERISTICS
	KC32	— 4 91 · 1 0 · Z14 — 01
Series	KC	KC-Differential Pressure Switch
	32	32-Differential Pressure Compact Series
Type	4	Stainless Steel bellows
	2	Nonmetal dissepiment
Type	85	0.021~0.207MPa
	86	0.069~0.69MPa
	87	0.207~2.069MPa
	88	0.345~3.448MPa
	89	0.021~0.207MPa
	90	0.069~0.69MPa
	91	-0.1~0MPa
	92	0~0.04MPa
Microswitch 1xSPDT 2xDPDT	1	SPDT
	0	10 = Standard
Process Connection	1	20 = Gold Flashed Switch Contact
	M16	M10*1.5
	M20	M20*1.5 (Standard)
	G12	G1/2"
	G14	G1/4"
	G34	G3/4"
	G38	G3/8"
	G14	G1/4"
Others	Z12	ZG1/2"
	R12	ZG1/2"
	R34	ZG3/4"
	R38	ZG3/8"
	Z12	NPT1/2" F (Standard)
	Z14	NPT1/4" F (Standard)
	R14	ZG1/4"
	Z34	NPT3/4"
Others	Z14	NPT1/4"
	Z38	NPT3/8"
	01	01 = Stainless steel tag plate
	02	02 = Factory set-point
	03	03 = Special unit tag plate
	04	04 = Stainless steel mounting bracket
	05	05 = Oxygen environment
	06	06 = Ammonia environment
07	07 = Special process connection consult factory	
08	PG Cable tie-in (metal)	

Note: Each model has corresponding range, deadband and enclosure. Separate each selection with a dot, except for between function and series. For instant: KC32.491.10.Z14.01 (differential pressure switch, stainless steel bellows, -0.1 MPa, SPDT switch, NPT1/4" connection, factory set)

When your order is out of the code table, please give a dear instication in the contract.

The default pressure unit is this brochure is MPa.