

Facility Switch Pressure Controller

FUNCTIONAL CHARACTERISTICS

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



PRODUCT OVERVIEW

KY 12 Series switch is a low cost switch in industrial process, features one-piece enclosure, easy wiring, durable performance. This product is widely used in different control processes for its compact design, simple handling and economic purpose.

TECHNICAL SPECIFICATIONS

Working temperature:	-50 ~ 80 °C
Set-point error:	± 1% of range
Enclosure:	die cast aluminum, epoxy coated
Switch output:	
Electrical rating:	5A 125/250/480 VAC resistive
Weight:	0.9 KG approx, depending on models
Electrical connection:	NPTF 1/2" connection
Pressure connection:	
Vibration-proof:	2.5G, 5 — 500Hz
	IP65

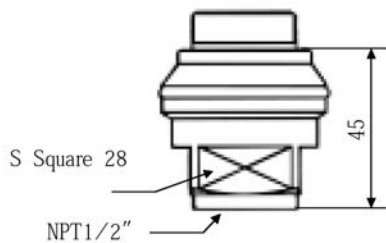
Optional Pressure Sensors Note: To select a pressure sensor considering process media and working range.

Pressure Type & Port

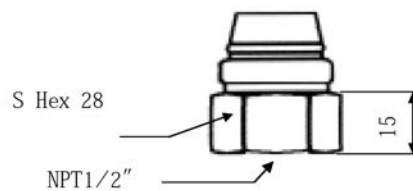
Here Shows standard threads, please refer to attached chart for more options, normal threads include M20 × 1.

5 G1/2" NPT1/2"

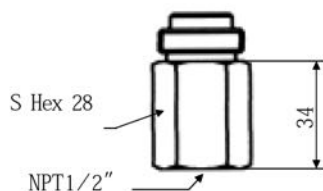
Model: 21-25



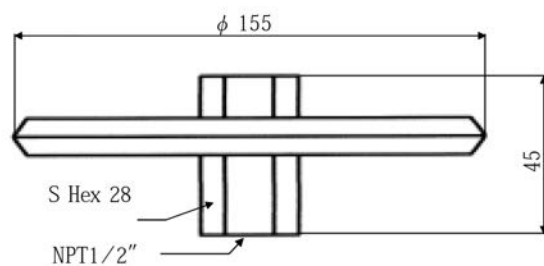
Model: 41-45



Model: 61-65



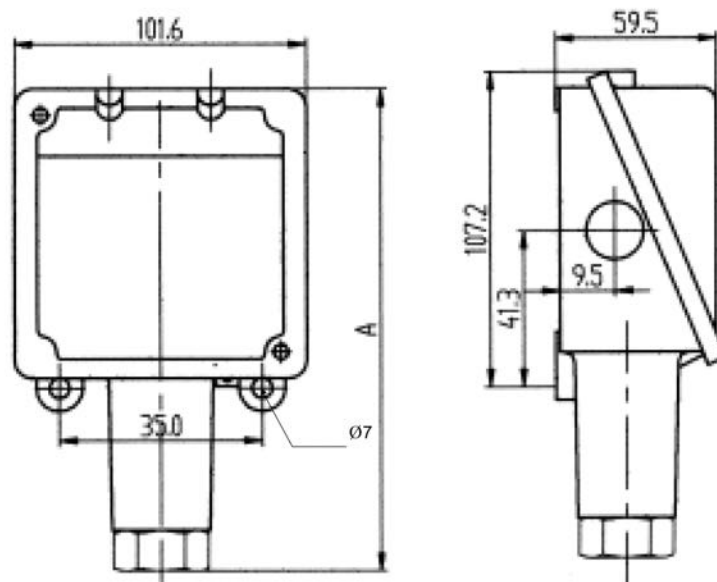
Model: 01-04



Note: Please refer to Page K · 00-4 How to order.

Dimensions (mm)

Range	A	Connection
01~04	203.2	NPT 1/2"
41~45	168.3	NPT 1/2"
61~65	177	NPT 1/2"
21~25	190.6	NPT 1/2"



	Range code	Transducer	MPa Break value	Mpa Range	MPa Transform difference
1	01	Welded stainless steel diaphragm SUS316	0.69	0.9~5.7Kpa(6)	≤ 10%
	02		0.69	1.5~9.5Kpa(10)	≤ 10%
	03		0.69	2.4~15.2Kpa(16)	≤ 10%
	04		0.69	3.75~23.75Kpa(25)	≤ 10%
	21	Welded stainless steel diaphragm SUS316	3.4	0.015~0.095(0.1)	2~5Kpa
	22		3.4	0.024~0.152(0.16)	1~10Kpa
	23		3.4	0.0375~0.2375(0.25)	2~13Kpa
	24		3.4	0.06~0.38(0.4)	2~12Kpa
	25	Welded stainless steel diaphragm SUS316	3.4	0.09~0.57(0.6)	5~20Kpa
	41		17	0.15~0.95(1)	0.02~0.095
	42		17	0.24~1.52(1.6)	0.02~0.12
	43		17	0.3~1.9(2)	0.022~0.15
	44		17	0.375~2.375(2.5)	0.02~0.11
	45		17	0.6~3.8(4)	0.02~0.2
3	61	Stainless steel plunger SUS316	68	0.9~5.7(6)	0.4~0.6
	62		68	1.5~9.5(10)	0.4~0.85
	63		68	3.75~23.75(25)	0.4~1.6
	64	Buna-N sealing ring	68	6~38(40)	0.5~2.5
	65		68	9~57(60)	≤ 10%