

WEATHERPROOF PRECISION PRESSURE SWITCH -PISTON

SSKE44-2

APPLICATIONS

- Marine applications
- Textile machineries
- Power & steel plants
- Furnace applications
- Oil & Gas, Refineries
- Petro-chemicals & Fertilizers
- Cement & Glass industries
- Railway engines & Turbines

FEATURES

- Fix / adjustable differential
- Field adjustable set point
- Weatherproof to IP 68
- Internal set point lock
- Rigid construction
- Scale provided



WEATHERPROOF PRESSURE SWITCH , SSKE44-2

DESCRIPTION

General

Design : BS 6134

Sensing element : Piston

Repeatability : \pm 0.5 % Full Scale

Scale accuracy : \pm 1% Full Scale

Mounting : Bottom / Panel

Enclosure / equipment rating : IP 67

Maximum process temperature : 150 °C

Ambient temperature : -10...60 °C

Set point : Between 20 to 80 % F.S for better performance

High voltage strength : 0.5 to 0.6 KV between open contacts and 2 KV between contact and body

Material of construction

Enclosure : Die-cast aluminum

Top chamber : ASTM A105 - Ni plated, AISI 304 SS

Sensing element : AIS 316 SS / Monel / Hastelloy - C276

Bottom chamber : AISI 316 SS / AISI 316L SS / Monel / Hastelloy C-276

Wall mounting bracket : ASTM A105 / AISI 304 SS

2" pipe / Yoke mounting bracket : ASTM A105 / AISI 304 SS

Tag plate : AISI 304 SS

Standard version :

Range : As per the selection table

Set point adjustment : External (Field adjustable)

Differential : Fixed (Standard - 2...5%),

Adjustable (For code N11B - 5...12.5%)

For double contacts, Differential shall be 1.5 times

Switch : 1 SPDT Snap action micro switch

Switch rating : 15A,250 VAC / 2A,24 VDC (Standard)

Process connection : 1/4" BSP (F) / 1/4" NPT (F)

Cable entry : PG 13.5, single compression

Range table :

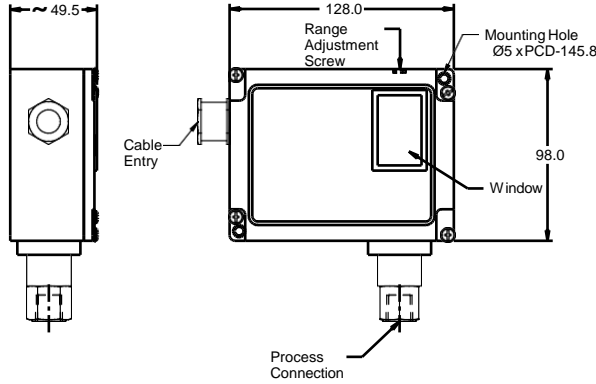
CODE	RANGE "bar"
232	2...32
440	4...40
565	5...60
100	10...100
160	20...160
250	25...250
400	40...400

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DIMENSIONAL DRAWING

Piston



NOTES
1. Drawing not to scale. All dimensions are in mm.

ORDERING CODES

MODEL			SSKE44-2		
SSKE44-2 Weatherproof Pressure Switch, Piston					
RANGE			110		
XXX	As per range table				
DIAPHRAGM					
S02	AISI 316 SS	S05	MONEL 400	S10	Hastelloy C-276
BOTTOM CHAMBER					
S02	AISI 316 SS	S03	AISI 316L SS	S05	MONEL 400
S10	Hastelloy C-276				
SET-POINT ADJUSTMENT					
E63	Internal	E64	External		
CALIBRATION					
E70	Falling pressure	E80	Rising pressure		
MICROSWITCH TYPE					
N11A	Low Deadband Contact (15A/250VAC, 2A/24VDC)	N11E	Hermetically Sealed Silver Contact (2A/24VDC)	N11A	
N11B	Adjustable Deadband Contact(15A/250VAC, 5A/24VDC)	N11F	Hermetically Sealed Gold Contact (1A/125VAC)		
N11C	Gold Plated Contact (1A/250VAC, 0.5A/28VDC)	N12A	DPDT Contact (10A/125VAC)		
N11D	Environmentally Sealed Silver Contact (5A/28VAC)				
NO. OF SWITCHES					
1	One	2	Two [Except for code N12A]	1	
CABLE ENTRY					
Q1	PG 13.5	Q2	½" NPT (F)	Q3	½" BSP (F)
Q4	DIN Connector	Q5	¾" ET (F)		
PROCESS CONNECTION					
P23	¼" BSP (F)	P3	¼" BSP (M)	P5	3/8" BSP (M)
P7	½" BSP (M)	P24	¼" NPT (F)	P4	¼" NPT (M)
P8	½" NPT (M)	P28	½" NPT (F)	A25	1.5" RF 150#
A26	1.5" RF 300#	A27	1.5" RF 600#	A31	2" RF 150#
A32	2" RF 300#	A33	2" RF 600#		
OTHER OPTIONS					
E16	Calibration Certificate	E27	AISI 304 SS tag plate	E65	Wall mounting bracket
E66	2" Pipe mounting bracket & clamp			E17	Material test certificate 3.1
Q54	Ni-plated brass double compression cable gland				
E16/E27					

Ordering Example : SSKE44-2.110.S02.S02.E64.E80.N11A.1.Q1.P24/E16/E27

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