

Technical Datasheet



Industrial Series Pressure Switch

Models: S21, S22 & S24

Key Features

- Ranges available up to 700 bar (10,000 psi).
- Maximum working pressure up to 1000 bar (15,000 psi).
- Epoxy coated die cast zinc / aluminium and stainless steel.
- Safety vented design as standard.
- SPDT or DPDT switching and optional gold alloy contacts.
- Terminal block for easy field wiring.
- Hermetically sealed microswitch options.
- NACE MR-01-75 compatibility.
- PED 97/23/EC CAT IV option.

Series Overview

The Sentry Series offers exceptional performance and high build quality in a simple, safe and cost-effective package.

- Performance is assured by repackaging Delta's well proven sensor technologies in a new, simple, one-piece enclosure.
- Safety is maintained by a vent that prevents the enclosure becoming pressurized in the event of a sensor being damaged.
- Cost is minimised through the selection of common standard options although, as with all Delta products, a variety of optional extras are available to tailor the product to specific needs.

Other products in the series include:

- Differential Pressure Switches: Model D0
- Temperature Switches: Model T0



Product applications

The S20 Industrial Series is suitable for a wide range of applications in:

- Oil & Gas
- Chemical
- Petrochemical
- Refining
- Power
- OEM

The choice of models available ensures that the Sentry Series is suitable for use in:

- Corrosive atmospheres
- Resistant to chemical attack

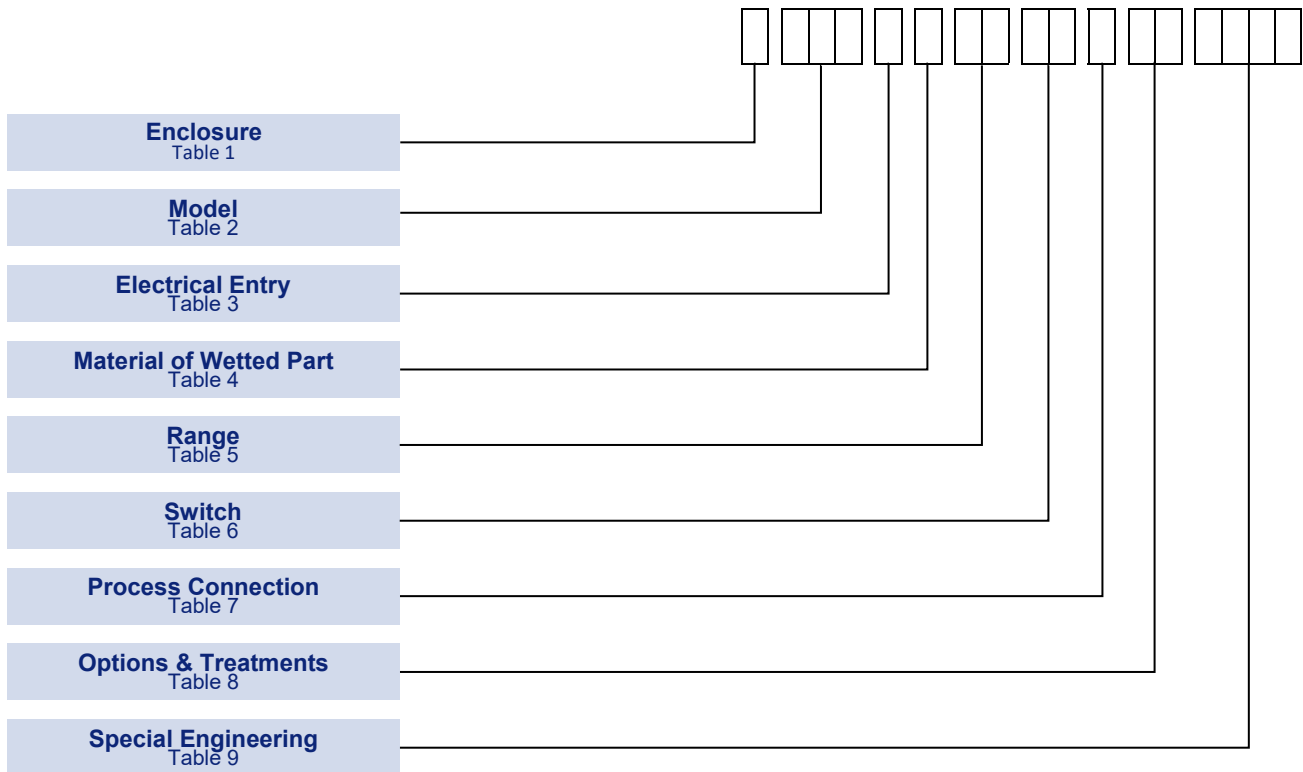
How can we help you?

Delta Mobrey offers fast, efficient and knowledgeable support when and where you need it. Please visit our web site at www.delta-mobrey.com to find your local support centre or call us on:

+44 (0) 1252 729 140

How to order

Switches can be configured by selecting codes representing the desired features from the tables that follow. The chart below, describes how the model code is built up. For assistance in configuring a switch that best suits your needs, please contact your local sales office.



NOTE: Options shaded in the following tables are the most common options and are available on the quickest lead-times and at the lowest cost.

NOTE: Only the most common options are shown in this data sheet. Should you require a feature that is not shown, please contact your local sales office for further details.

Technical Specification

Industrial Series
Models: S21, S22 & S24

Accuracy:	Set point repeatability $\pm 1\%$ of span at 20°C / 68°F ambient.
Storage Temperature:	-40 to +60°C / -40 to +140°F
Ambient Temperature:	-25 to +60°C / -13 to +140°F
Maximum Process Temperature:	Subject to appropriate installation practice, the component parts withstand up to +60°C (+140°F). For process temperatures up to +120°C (+248°F), order WETTED PARTS Code A or S (Table 4). For higher temperatures, refer to SPECIAL ENGINEERING.
Enclosure classification:	IP66 / NEMA 4X / Flameproof Ex d
Switch output:	SPDT or DPDT snap action microswitch (standard) Hermetically sealed (optional)
Electrical rating:	See Table 6
Process Connection:	Rc 1/4 (BSP), 1/4 NPT Internal, 1/2 NPT Internal, 1/2 NPT External
Weight:	2.7kg / 5.9lb to 6.6kg / 14.5lb depending on model

Enclosure

INTRINSIC SAFETY

Because of the low voltages and currency of I.S. circuits, we recommend using gold and/or sealed contacts.

Temperatures in Table 1 refer to limitations for certified enclosures.

See **TECHNICAL DATA**.

NOTE: Codes T and U - to increase gas class see Table 6 NOTE 2.

NOTE: Codes H, 2 & T for 4X

Aluminium Enclosure protected by quality epoxy paint system.

Performance of enclosure requires careful installation and sealing of cable gland connection in situ.

Assembly requires to be built for Marine use, See Table 8, Code 2.

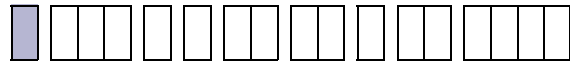
NOTE: Code 3 and 2

To be used on S24 only with S or T wetted parts.

NOTE: Codes 4 and 5.

To be used only on switch codes 04/05, 0G/0H, H2/H3/H6 - See Table 6. PED Cat IV not available at present.

TABLE 1



FLAMEPROOF ENCLOSURES	Code
ZONE 1 ATEX EExd IIC T6(-60 to +65°C) T5(-60 to +80°C) Gravity die-cast enclosure in aluminium-silicon alloy, epoxy painted internally and externally certified to CENELEC EN50 014 and EN50 018. Weatherproof to NEMA 4X, IP66. See Note.	H
ZONE 1 ATEX For Aggressive Atmospheres EExd IIC T6(-60 to +65°C) T5(-60 to +80°C) . Investment cast enclosure in austenitic stainless steel certified to CENELEC EN 50 014 and EN50 018. Weatherproof to NEMA type 4X, IP66.	R
ZONE 0/1 ATEX Flameproof Stainless Steel Cat 1/2 (S24 only) Connected to a process system classified as EEx d IIC certified to CENELEC standards—EN50284. Weatherproof protection IP66/NEMA 4X investment cast in austenitic stainless steel.	2
ZONE 0/1 ATEX Flameproof Aluminium Alloy Cat 1/2 (S24 only) Connected to a process system classified as EEx d IIC certified to CENELEC standards—EN50284. Weatherproof protection IP66/NEMA 4X. Gravity die-cast in Aluminium LM25	3
NEC 500, NEMA 7, 9 Aluminium Alloy Gravity die-cast enclosure in aluminium-silicon alloy, epoxy painted internally and externally. Weatherproof to NEMA 4X, IP66. See Note.	T
NEC 500, NEMA 7, 9 For Aggressive Atmospheres Investment cast enclosure in austenitic stainless steel. Class 1, Groups c and D, Class II, Groups E,F and G, Div. 1 & 2. Weatherproof to NEMA type 4X, IP66.	U
WEATHERPROOF ENCLOSURES	
General purpose The basic enclosure is pressure die-cast in zinc alloy, epoxy painted, with weather protection not less than NEMA type 4, IP66.	W
For Aggressive Atmospheres Investment cast enclosure in austenitic stainless steel with weather protection not less than NEMA 4X, IP66	A
INTRINSICALLY SAFE ENCLOSURES	
ATEX ZONE 0 General Purpose certified to CENELEC standards. Weather protection IP66/NEMA 4X pressure die-cast in Zinc with light grey epoxy paint.	5
ATEX ZONE 0 General Purpose certified to CENELEC standards. Weather protection IP66/NEMA 4X investment cast in austenitic stainless steel.	4

Models

S21/2

For applications up to 100 bar (1500 psi). Maximum working pressure 155 bar (2250 psi).

S24

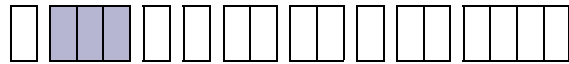
For applications up to 700 bar (10,000 psi). Maximum working pressure 1000 bar (15,000 psi)



Applies only to models S21/S24



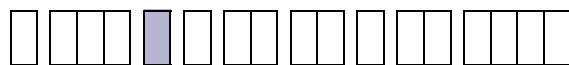
TABLE 2



	Code
Fixed Switching Differential SPDT & DPDT options available. See Table 6.	S21
Adjustable Switching Differential (Limited Span) Achieved by special micro switch with built in adjuster, SPDT only. See Table 6.	S22
Fixed Switching Differential SPDT & DPDT options available. See Table 6.	S24

Electrical Entry

TABLE 3



Industrial Series		Enclosure							
Code	Description	W	5	A	4	H	R	T	U
0	M20 x 1.5 ISO Thread	a	a	*	*	*	*		
1	22mm (0.86 ins) Dia clearance hole for 20mm / 3/4 inch O/Dia Conduit	*	*						
2	1/2 NPT Internal Thread	a	a	a	a	*	*		
3	3/4 NPT Internal Thread	a	a	a	a	*	*	*	*
4	1/2 NPT Internal Thread Dual Entry	a	a	a	a	*	*		
5	M20 x 1.5 Dual Entry	a	a	a	a	*	*		
6	3/4 NPT Internal Dual Entry	a	a	a	a	*	*	*	*
7	22mm (0.86 ins) Dia clearance hole for 20mm / 3/4 inch O/Dia Conduit Dual Entry	*	*						

a = Available with adaptor only

* = as Integral Connection

■ = Not available.



For codes 3 & 6 on T & U only



- see Approvals and Table 1

Material of Wetted Parts

WELDED CONSTRUCTION

Codes S and T

For reduced risk against leakage under extreme or unusual conditions the diaphragm may be welded directly to the process connection, eliminating the O-ring.

Welded construction not available on ranges CC to CE (CW to CK). (See table 5).



Applies to all materials.



TABLE 4



	Code
316 stainless steel diaphragm, process connection and Viton O-ring seal.	A
316 stainless steel diaphragm, process connection and Nitrile (Buna-N) O-ring seal	G
Nickel alloy (Monel) diaphragm, 316 stainless steel process connection and Viton O-ring seal for applications as laid down in NACE MR 01-75	K
Nickel alloy (Monel) diaphragm, 316 stainless steel process connection and Nitrile (Buna-N) O-ring seal	P
316 stainless steel diaphragm and process connection. All welded construction.	S
Nickel alloy (Monel) diaphragm and process connection. All welded construction (suitable for NACE MR 01-75)	T

Setting Ranges

When ordering, please state units required. Range and set point will be in units preference.

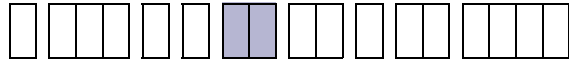
P_{max} = maximum working pressure



Applies to all ranges



TABLE 5

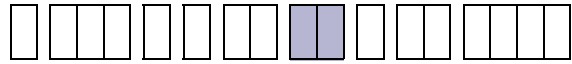


P_{max}		Model	Range					Code	
bar	psi		Bar	mbar	Code	psi	In.Hg		In.H ₂ O
15	217	S21	-1 to +1.5	12 to 250	CC	1.5 to 8.5	-30 to 0	5 to 100 -50 to +50	CW
		S21		120 to +120	CD				CH
		S21		100 to 600	CE				CK
		S21		-1000 to 0	A0				AB
		S21			G3				GK
27	400	S21/2	0.25 to 1.6		DB	4 to 25			DK
		S21/2	0.4 to 2.5		DC	6 to 40			DP
		S21/2	1 to 6		DE	16 to 100			DZ
70	1000	S21/2	1.6 to 10		EA	25 to 160			EH
		S21/2	2.5 to 16		EB	40 to 250			EM
110	1600	S21/2	4 to 25		EC	60 to 400			ER
		S21/2	10 to 40		ED	160 to 600			EW
		S21/2	15 to 75		EF	250 to 1000			EE
155	2250	S21/2	10 to 100		FA	160 to 1500			F6

P_{max}		Model	Range			Code		
bar	psi		Bar	Code	psi			
-1 to 600	-30" to 8700	S24	0.4 to 2.5	DC	6 to 40	DP		
		S24	1 to 6	DE	16 to 100	DZ		
		S24	1.6 to 10	EA	25 to 160	EH		
		S24	2.5 to 16	EB	40 to 250	EM		
		S24	4 to 25	EC	60 to 400	ER		
		S24	10 to 40	ED	160 to 600	EW		
		S24	15 to 75	EF	250 to 1000	EE		
		S24	10 to 100	FA	160 to 1500	F6		
		1000	400	S24	7 to 160	U7	100 to 2300	UK
				S24	25 to 250	V7	350 to 3500	VC
		S24	50 to 400	W7	800 to 6000	W9		
		S24	100 to 700	Y4	1600 to 10000	YF		

Switch Options

TABLE 6



Model S21/4									
UL/CSA RATING (RESISTIVE) see note	IEC947-5-1 / EN 60947-5-1 RATING							Contact	Code
	Designation & Utilisation Category	Rated operational current I_e (A) At rated operational voltage U_e	U_i	U_{imp}	VA Rating				
						Make	Break		
5 Amps @ 110/250V AC Light Duty for AC only	AC14 D300 DC13 R300	0.6/0.3A @ 120/240 V AC 0.22/0.1A @ 125/250V DC	250V	0.8kV	AC DC	432 28	72 28	SPDT DPDT	00 01
5 Amps @ 110/250V AC and 2 Amps @ 30V DC	AC14 D300 DC13 R300	0.6/0.3A @ 120/240 V AC 0.22/0.1A @ 125/250V DC	250V	0.8kV	AC DC	432 28	72 28	SPDT DPDT	02 03
1 Amp @ 125V AC and § 100mA @ 30V DC Gold Alloy contacts for low	1A @ 125 VAC RESISTIVE (IEC 1058-1/EN 61058-1)							SPDT DPDT	04 05
§ 5 Amps @ 110/250V AC & 5 Amps @ 30V DC	AC14 D300 DC13 R300	0.6/0.3A @ 120/240 V AC 0.22/0.1A @ 125/250V DC	250V	0.5kV	AC DC	432 28	72 28	SPDT* DPDT*	08 09
§ 1 Amp @ 30V AC and 30V DC Environmentally sealed	AC14 E150	0.3A @ 120 V AC	125V	0.5kV	AC	216	36	SPDT* DPDT*	0G 0H
5 Amps @ 250V AC & 2 Amps @ 30V DC Hermetically sealed. Gold plated	AC14 D300 DC13 R300	0.6/0.3A @ 120/240 V AC 0.22/0.1A @ 125/250V DC	250V	0.5kV	AC DC	432 28	72 28	SPDT DPDT	H2 H3†, H6‡
† 2 Single pole, double throw, simultaneous falling under pressure									
Model S22									
5 Amps @ 110/250V AC	AC14 D300	0.6/0.3A @ 120/240 V AC	250V	0.8kV	AC	432	72	SPDT	0C
5 Amps @ 110/250V AC & 2 Amps @ 30V DC	AC14 D300 DC13 R300	0.6/0.3A @ 120/240 V AC 0.22/0.1A @ 125/250V DC	250V	0.8kV	AC DC	432 28	72 28	SPDT	0D
NOTE 1: Enclosure Codes T and U. Microswitch Codes 02 and 03. UL/CSA rating as follows:- 110/250V AC 5A 125/250V DC 0.5/0.25A					Enclosure Codes H and R. Microswitch Codes 02 and 03. UL/CSA rating as follows:- 110/250V AC 5A 250V/125/30V DC 0.25/0.5/2A				
NOTE 2: Using Codes H2, H3, H6 increases the Gas Class to: Class 1, Groups A, B, C and D, Div 2., for Enclosures T and U.					00, 01, 02, 03, 04 & 05 microswitches				
H2, H3† & H6‡ microswitches UL recognised component for use in Hazardous Class 1, Div 2, Groups A, B, C and D. Class II Groups F and G. When used in enclosure T and U					 H2, H3† & H6‡ microswitches UL recognised component for use in Hazardous Class 1, Div 2, Groups A, B, C and D. Class II Groups F and G. When used in enclosure T and U				
The electrical rating is dependent on the microswitch fitted to the instrument. The electrical ratings defined by each approval that the microswitch complies with and is shown on the product nameplate, ie UL/CSA, or IEC. It should be noted that the instrument must be used within the electrical rating specified from the approval you require. This table lists the actual IEC ratings against the Designation & Utilization Category marked on the nameplates. In the absence of any verification by UL/CSA the microswitch § manufacturer's rating is stated in italics and bold . If in doubt seek guidance from the factory.									
NOTE: For Enclosure codes 4 and 5, HS, HD and HR switching codes are unsuitable. Use gold contact switches. U_i = rated insulation voltage U_{imp} = rated impulse to withstand voltage across contacts.									

Process Connection



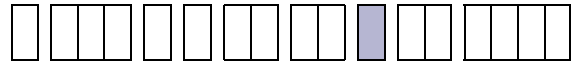
 Applies to all connections in this table.


TABLE 7



	Code
Rc 1/4 (1/4 BSP tr INT) to (ISO 7/1)	A
1/4—18 NPT INTERNAL	F
1/2—14 NPT INTERNAL	H
1/2—14 NPT EXTERNAL	J

Options & Treatments



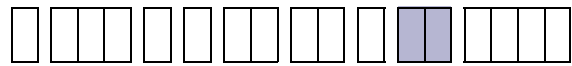
 Applies to all options and treatments in this table.


TABLE 8

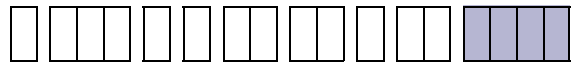


	Code
Tropicalisation High humidity atmospheres	01
Marine and Offshore Saline atmosphere or salt spray	02
Ammonia Process (wetted) parts and construction suitable for atmospheric ammonia	03
Oxygen Service 2: Process (wetted) parts are cleaned for oxygen	04
Oxygen Service 3: Process and non-process parts are cleaned for use with oxygen	05
Stainless Steel Pipe Mounting Bracket Permits local 2" pipe work to be utilized for mounting the instrument	10
Category IV Safety Accessory as defined in the Pressure Equipment Directive 97/23/EC	60
Tagging - Variety of tagging methods are available	APPLY FOR DETAILS
Applies when - no option is required and selection is made from special engineering	00

Special Engineering

Last 4 digits of model code only used when special engineering is required.

TABLE 9



	Code
Please consult Delta sales engineering for special requirements	TBA

Performance Data

TABLE 10

TABLES 10A, 10B, 10C, 10D.
MODEL S21, S24
FIXED SWITCHING DIFFERENTIAL

Due to manufacturing tolerances the figures quoted in these are for guidance only.

Should the differential be critical for specific applications, our engineers should be consulted prior to ordering.

MODEL S21 PSI UNITS TABLE 10A

Range		P _{max} psi	SWITCHING OPTIONS SWITCHING DIFFERENTIAL IN H ₂ O / IN Hg / psi									
Code	H ₂ O / in Hg / psi		00	01	02	03	04	05	08/0G	09/0H	H2	H3/H6
CW	5 to 100	217	2	3.1	3.5	5.5	2	2.4	3.1	6	11.7	11.7
CH	-50 to +50	217	3.1	5.5	3.1	9	3.1	3.1	5.5	7	8	8
CK	1.5 to 8.5	217	3.1	5.5	6	9	3.1	4.7	5.5	7	18	18
AB	-30 to 0	217	0.6	0.8	1.3	1.7	0.5	0.5	0.8	1	3	3
GK	-14.5 to +20	218	0.3	0.6	0.7	1.5	0.3	0.4	0.5	0.7	2.2	2.2
DK	4 to 25	400	0.4	0.7	1	1.5	1	1.5	2.6	3.5	1.2	2.3
DP	6 to 40	400	0.4	0.7	1	1.5	1	1.5	2.6	3.5	1.2	2.3
DZ	16 to 100	400	0.6	0.9	1.7	2	1.5	2.2	3.5	1.6	2.9	5.8
EH	25 to 160	1000	1.5	2.2	3.6	6.5	2.2	3.3	11.6	14.5	6	11.6
EM	40 to 250	1000	2.2	4	5.1	9.9	3.6	5.8	13.1	17.4	7.5	14.5
ER	60 to 400	1600	4.4	6.5	15.2	19.6	7.3	10.2	26	35	26	52
EW	160 to 600	1600	7.3	11.6	20	26	11.6	17.4	44	46	31	61
EE	250 to 1000	1600	9.4	14.5	25	33	14.5	22	44	58	51	102
F6	160 to 1500	2250	14.5	22	51	65	29	44	87	116	73	145

MODEL S21 PSI UNITS TABLE 10B

Range		P _{max} psi	SWITCHING OPTIONS SWITCHING DIFFERENTIAL IN H ₂ O / IN Hg / psi									
Code	mbar/bar		00	01	02	03	04	05	08/0G	09/0H	H2	H3/H6
CC	12 to 250	15	5	8	6	8	5	6	8	15	30	30
CD	-120 to +120	15	8	14	8	23	8	8	14	18	20	20
CE	100 to 600	15	8	14	15	23	8	12	14	18	45	45
A0	-1000 to 0	15	21	27	45	60	18	18	30	36	105	105
G3	-1 to +1.5	15	21	40	48	100	24	30	36	45	150	150
DB	0.25 to 1.6	27	30	45	70	100	70	100	180	240	80	160
DC	0.4 to 2.5	27	30	45	70	100	70	100	180	240	80	160
DE	1 to 6	27	40	60	120	140	100	150	240	320	200	400
EA	1.6 to 10	70	100	150	250	450	150	230	800	1000	400	800
EB	2.5 to 16	70	150	275	350	680	250	400	900	1200	500	1000
EC	4 to 25	110	300	450	1050	135	500	700	1800	2400	1800	3600
ED	10 to 40	110	500	800	1400	1800	800	1200	3000	3200	2100	4200
EF	15 to 75	110	650	1000	1750	2250	1000	1500	3000	4000	3500	7000
FA	10 to 100	155	1000	1500	3500	4500	2000	3000	6000	8000	5000	10000

MODEL S24 PSI UNITS TABLE 10C

Range		P _{max} psi	SWITCHING OPTIONS SWITCHING DIFFERENTIAL IN H ₂ O / IN Hg / psi									
Code	psi		00	01	02	03	04	05	08/0G	09/0H	H2	H3/H6
DP	6 to 40	8700	3.2	4.8	5.8	5.8	4.4	4.4	6.5	7.4	6	11.6
DZ	16 to 100	8700	3.5	5.8	8.7	11.6	7.3	10.2	8.7	9.4	12	23
EH	25 to 160	8700	5.5	10.2	11.6	17.4	8.7	13	8.7	11	18	35
EM	40 to 250	8700	6.7	11.5	11.6	17.4	8.7	13	11.6	17.4	18	35
ER	60 to 400	8700	12.5	20	17.4	23	11.6	17.4	20	22	34	67
EW	160 to 600	8700	14.5	23	29	44	22	36	29	44	51	102
EE	250 to 1000	8700	22	28	36	73	22	58	44	58	58	116
F6	160 to 1500	8700	29	36	65	87	51	73	58	73	73	145
UK	100 to 2300	15000	49	80	99	145	58	77	73	90	150	290
VC	350 to 3500	15000	81	162	145	244	122	203	725	870	370	725
W9	800 to 6000	15000	128	255	255	574	192	319	1160	1160	600	1160
YF	1600 to 10000	15000	218	435	290	653	326	486	1450	1450	750	1450

MODEL S24 SI UNITS TABLE 10D

Range		P _{max} bar	SWITCHING OPTIONS SWITCHING DIFFERENTIAL IN H ₂ O / IN Hg / psi									
Code	bar		00	01	02	03	04	05	08/0G	09/0H	H2	H3/H6
DC	0.4 to 2.5	600	220	330	400	400	300	300	450	510	400	800
DE	1 to 6	600	240	400	600	800	500	700	600	650	800	1600
EA	1.6 to 10	600	380	700	800	1200	600	900	600	750	1200	2400
EB	2.5 to 16	600	480	790	800	1200	600	900	800	1200	1200	2400
EC	4 to 25	600	860	1400	1200	1600	800	1200	1350	1500	2300	4600
ED	10 to 40	600	1000	1600	2000	3000	1500	2500	2000	3000	3500	7000
EF	15 to 75	600	1500	1900	2500	5000	1500	4000	3000	4000	4000	8000
FA	10 to 100	600	2000	2500	4500	6000	3500	5000	4000	5000	5000	10000
U7	7 to 160	1000	3400	5500	6800	10000	4000	5300	5000	6200	10000	20000
V7	25 to 250	1000	5600	11200	10000	16800	8400	14000	50000	60000	35000	50000
W7	50 to 400	1000	8800	17600	17600	39600	13200	22000	80000	80000	40000	80000
Y4	100 to 700	1000	15000	30000	20000	45000	22500	33500	100000	100000	50000	100000

TABLE 10E, 10F. MODEL S22 ADJUSTABLE SWITCHING DIFFERENTIAL

MODEL S22 TABLE 10E

Range		P _{max} psi	SWITCHING OPTIONS SWITCHING DIFFERENTIAL psi				
Code	psi		MIN	0C	MAX	MIN 0D	MAX
DK	4 to 25	400	0.2		1.1	1	2.9
DP	6 to 40	400	0.3		1.2	1.3	3
DZ	16 to 100	400	0.5		2.8	2.5	7.3
EH	25 to 160	1000	1.9		6.2	6.4	16
EM	40 to 250	1000	3.2		9.1	9.6	23
ER	60 to 400	1600	9.6		35	41	88
EW	160 to 600	1600	13		61	57	125
EE	250 to 1000	1600	16		62	80	160
F6	160 to 1500	2250	25		83	96	212

MODEL S22 TABLE 10F

Range		P _{max} bar	SWITCHING OPTIONS SWITCHING DIFFERENTIAL mbar				
Code	bar		MIN	0C	MAX	MIN 0D	MAX
DB	0.25 to 1.6	27	11		78	66	200
DC	0.4 to 2.5	27	22		82	88	210
DE	1 to 6	27	33		190	170	500
EA	1.6 to 10	70	132		430	440	1100
EB	2.5 to 16	70	220		630	660	1600
EC	4 to 25	110	660		2400	2800	6100
ED	10 to 40	110	880		3300	3900	8600
EF	15 to 75	110	1100		4300	5500	11000
FA	10 to 100	155	1700		5700	6600	14600

Approvals

EUROPEAN



Low voltage Directive (LVD) 2006/95/EC.
Compliant to LVD

Pressure Equipment Directive (PED) 2014/68/EU:

This product has a process connection size \leq DN25 and is therefore categorised as sound engineering practice under Article 4 (3)



ATEX Directive 94/9/EC:

II 2GD Ex d IIC T6 / T5
Ex tb IIIC T85°C / T100°C Gb IP66
T6 / T85°C (Tamb -30°C to +65°C)

Certificate
IEC 60079-0, EN 60079-1, EN 60079-31

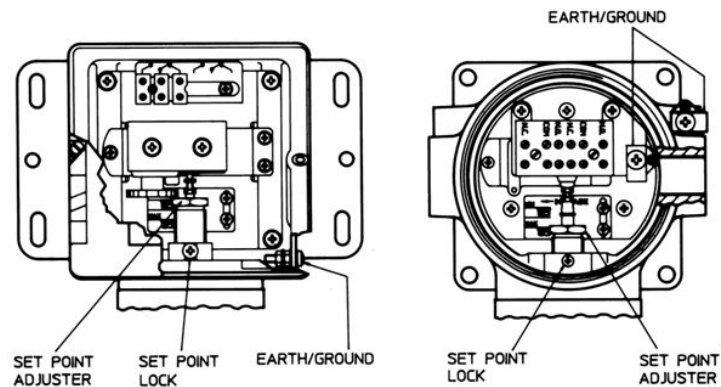
No. Baseefa12ATEX0121

Operation & Installation

Mounting Position / Location / Installation

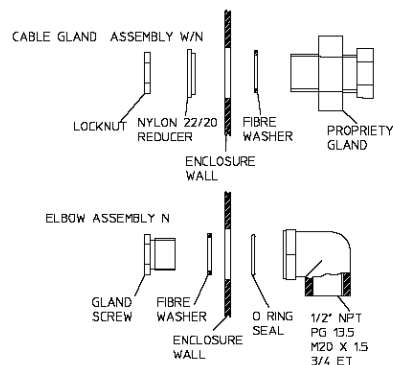
Vertical as shown, taking care to avoid sitting in locations or vibrations. For further advice contact our engineers.

TYPICAL INTERNAL ARRANGEMENT



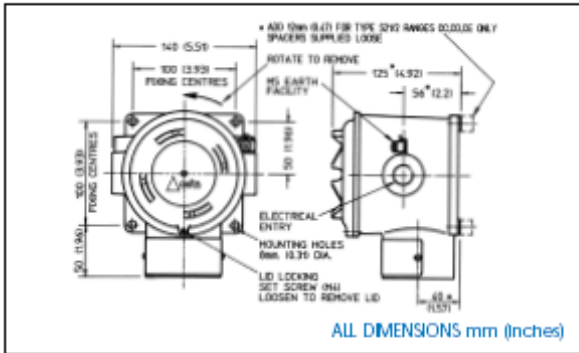
Dimension

CABLE GLAND ASSEMBLY

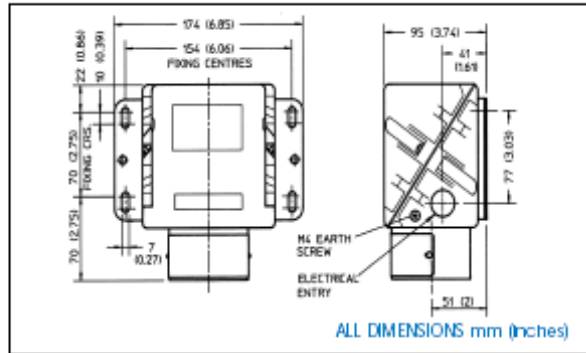


Dimension

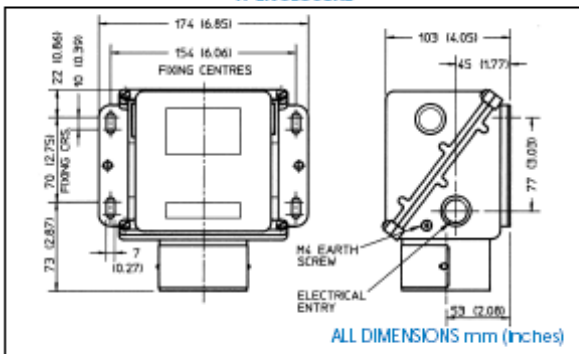
'B', 'H', 'R', 'T', 'U' ENCLOSURE



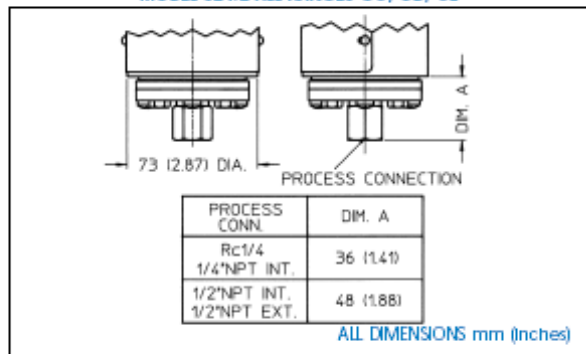
'W' ENCLOSURE



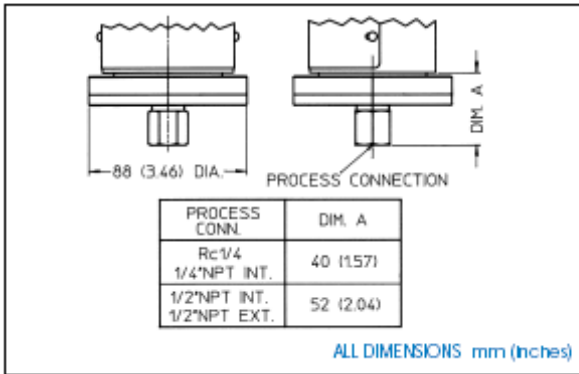
'W' ENCLOSURE



MODEL S21/2 ALL RANGES CC, CD, CE



MODEL S21/2 RANGES CC, CD, CE



MODEL S24 ALL RANGES

