> **Port size: 1/4" & 3/8" (ISO G/PTF)**

> **Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products**

> **Flow sensor provides a nearly constant oil/air ratio over a wide range of flows**

> **Double safety lock bowl**

> **Metal bowl with prismatic liquid level indicator lens**

> **Light weight Polycarbonate bowl**

> **All round (360°) visibility of sightdome for ease of drip rate setting**

> **Choice of two oil delivery systems**

Technical features

Medium:
Compressed air only

Maximum operating pressure:
Polycarbonate bowl: 145 psi (10 bar)
Metal bowl: 246 psi (17 bar)

Port size:
G1/4, G3/8, 1/4 PTF, 3/8 PTF

Flow:
L82C: 55 scfm (26 dm³/s) at port size 1/4"
L82C: 51 scfm (24 dm³/s) at port size 3/8"
L82M: 46 scfm (22 dm³/s) at port size 1/4"
L82M: 45 scfm (21 dm³/s) at port size 3/8"
operating pressure: 91 psi (6.3 bar)
and a Δp: 7.25 psi (0.5 bar) drop
from set.

Start point:
1 scfm (0.5 dm³/s) for Oil Fog
2.5 scfm (1.2 dm³/s) for Micro Fog

Ambient/Media temperature:
Polycarbonate bowl:
14 to +140°F (-10 to +60°C)

Metal bowl:
-4 to +149°F (-20 to +65°C)
Air supply must be dry enough
to avoid ice formation at
temperatures below +35°F (+2°C)

Materials:
Body: Die cast aluminium
Body cover: ABS
Bowl: Transparent PC with PP guard or die cast zinc
Liquid level indicator lens (metal bowl): PA
Sightdome: Transparent PA
Bowl 'o'- ring: Chloroprene
Elastomers: NBR

Technical data L82— standard models

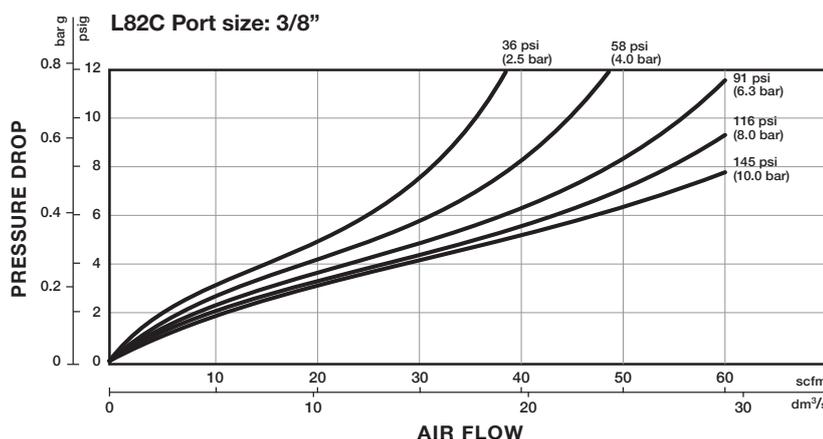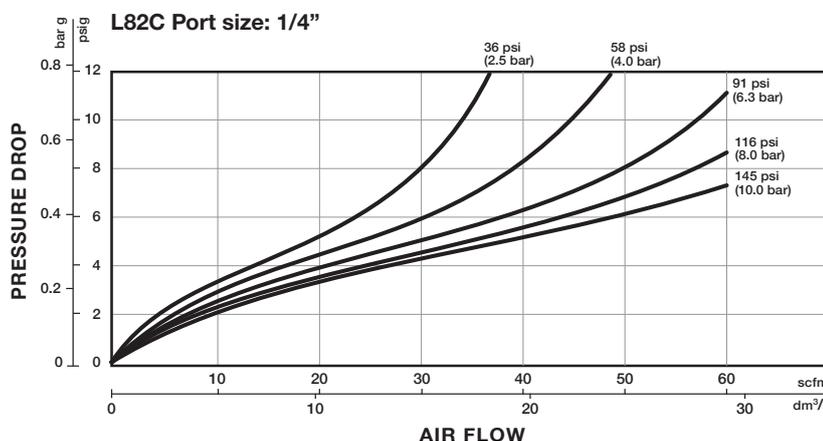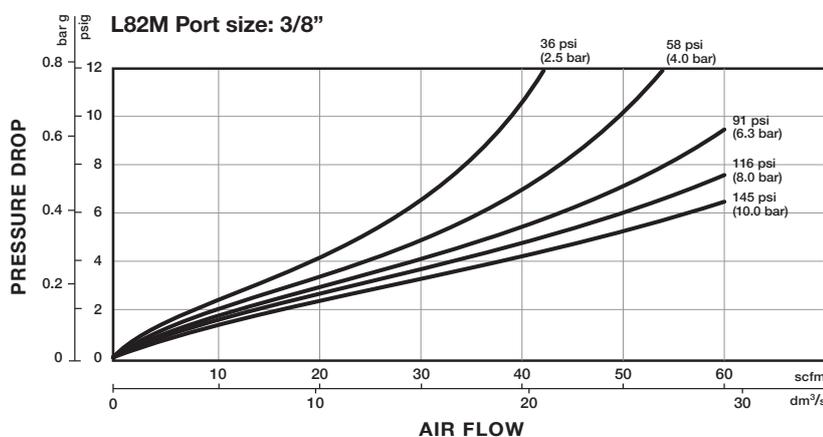| Symbol	Port Size (PTF)	Lubricator type	Bowl	Weight lb (kg)	Model
	1/4	Micro fog	Guarded polycarbonate	0.48 (0.22)	L82M-2AP-EPN
	3/8	Micro fog	Guarded polycarbonate	0.48 (0.22)	L82M-3AP-EPN
	1/4	Micro fog	Metal with level indicator	0.88 (0.40)	L82M-2AP-EDN
	3/8	Micro fog	Metal with level indicator	0.88 (0.40)	L82M-3AP-EDN
	1/4	Oil fog	Guarded polycarbonate	0.48 (0.22)	L82C-2AP-EPN
	3/8	Oil fog	Guarded polycarbonate	0.48 (0.22)	L82C-3AP-EPN
	1/4	Oil fog	Metal with level indicator	0.88 (0.40)	L82C-2AP-EDN
	3/8	Oil fog	Metal with level indicator	0.88 (0.40)	L82C-3AP-EDN

Option selector

L82★ – ★ ★ P – E ★ N

Type	Substitute
Oil fog lubricator	C
Micro fog lubricator	M
Port size	**Substitute**
1/4"	2
3/8"	3
Thread form	**Substitute**
PTF	A
ISO G	G

Bowl	Substitute
Metal with liquid level indicator	D
Transparent with guard	P

Flow characteristics

L82M Port size: 1/4"

L82M Port size: 3/8"

L82C Port size: 1/4"

L82C Port size: 3/8"

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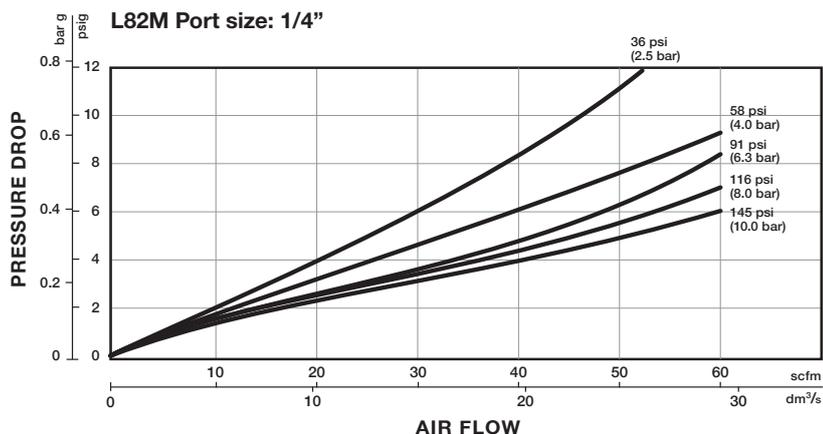
Accessories

Wall mounting bracket	Quikclamp®	Quikclamp® with bracket assembled	Pressure sensing block 1/4 PTF	Pressure sensing block G1/4
page 4	page 4	page 4	page 5	page 5
820024-50KIT	820014-51KIT	820014-52KIT	820016-50KIT	820016-51KIT

Full flow porting block 3/8 PTF	Full flow porting block G3/8	Pressure switch interface block (18D pressure switch)	Pneumatic pressure switch 18D (0,5 ... 8 bar) *1)	Digital pressure switch 51D(-1 ... 10 bar) *2)
page 4	page 4	page 5	page 5	page 6
820028-50KIT	820028-53KIT	0523109000000000	0881300000000000	0860810000000000

Port Adaptors 1/4 PTF	Port Adaptors 3/8 PTF	Port Adaptors G1/4	Port Adaptors G3/8
page 5	page 5	page 5	page 5
820015-02KIT	820015-03KIT	820015-08KIT	820015-09KIT
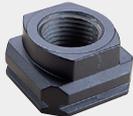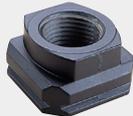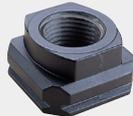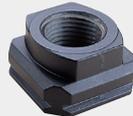
Service Kits

Lubricator bowl Guarded Poly	Lubricator bowl Metal with sight glass	Lubricator sight dome kit	
		Micro fog (red)	840055-50KIT
		Oil fog (green)	840055-51KIT
820025-52KIT	820003-52KIT		

Dimensions

Dimensions in inches [mm]
Projection/Third angle

Micro fog

Oil fog

2.15 [54.7]

1.83 [46.5]
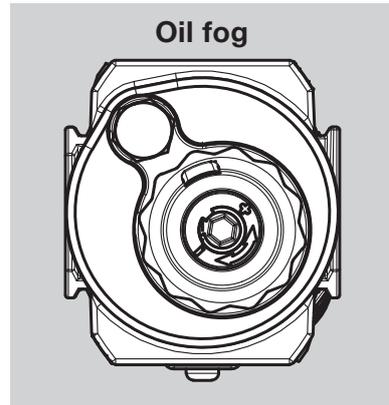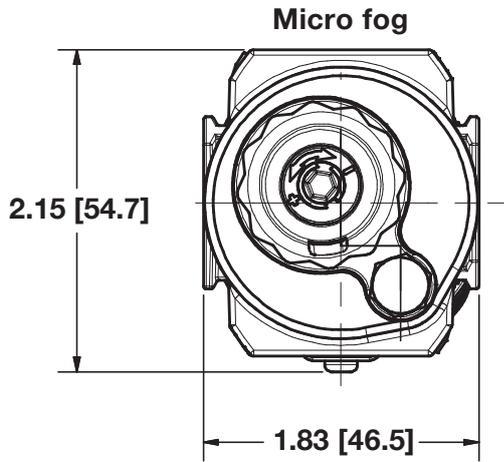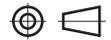
1 Main ports 1/4", 3/8" (ISO G/PTF)
2 Metal bowl with sight glass

1.80 [45.7]

.98 [25.0]

5.53 [140.5]
CLOSED
BOTTOM

1

2

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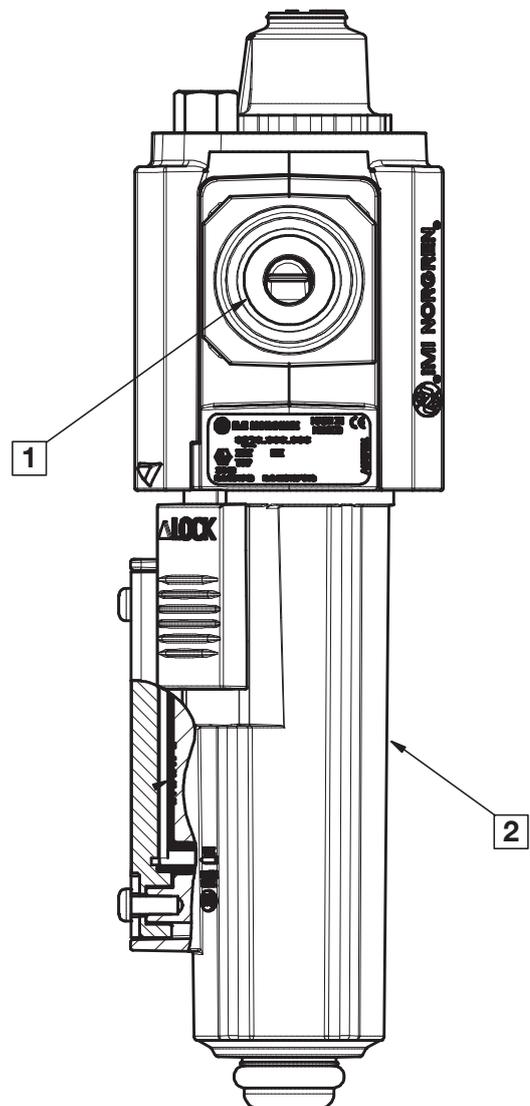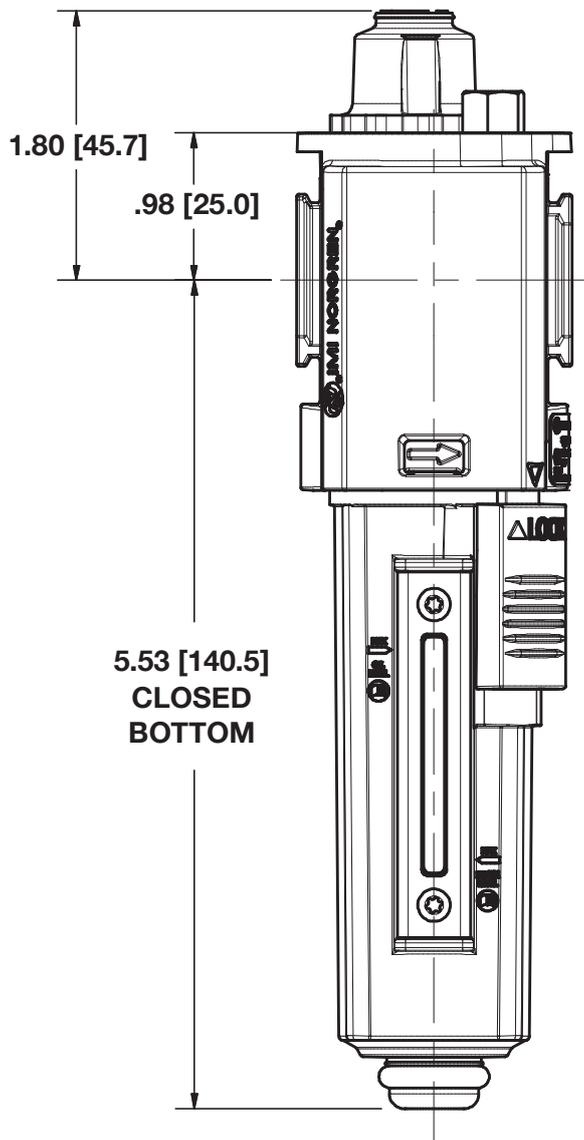
Accessories
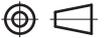
Quikclamp® with wall bracket

2.3 (58.5)
1.5 (38.1)
2.14 (54.5)
1.7 (43.0)
4.07 (103.3)
1.53 (39.0)
1.65 (42.0)
.47 (12.1)

Quikclamp®

1.85 (46.9)
.47 (12.1)
1.7 (43.1)

Mounting bracket

2.1 (52.7)
.05 (1.52)
2x 1.0 (26.2)
2x M4x0.7
2x .1 (2.68)
2.15 (54.6)
1.52 (38.7)
2x .12 (3.0)

.17 (4.3)
1.1 (27.1)
1.1 (27.2)
.94 (23.8)
.21 (5.5)
1.94 (49.3)

2x .83 (21.1)
2x .15 (3.7)
.31 (8.0)
2x .86 (22.0)
1.46 (37.0)
2x .24 (6.0)
8x FULL R
4x .20 (5.1)
4x .39 (10.0)
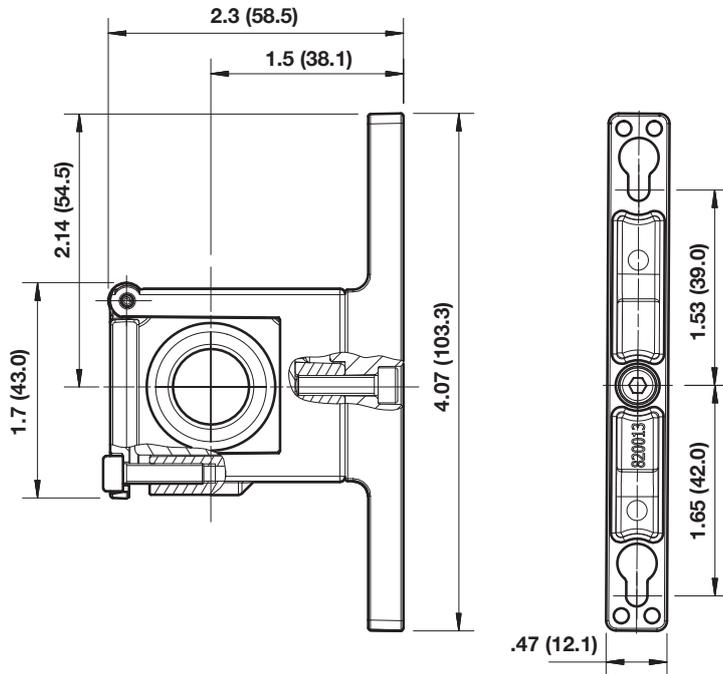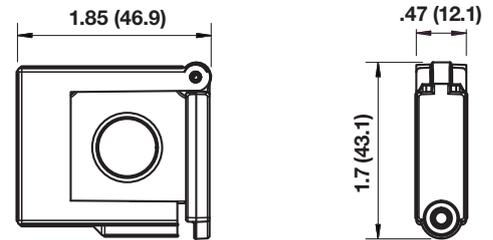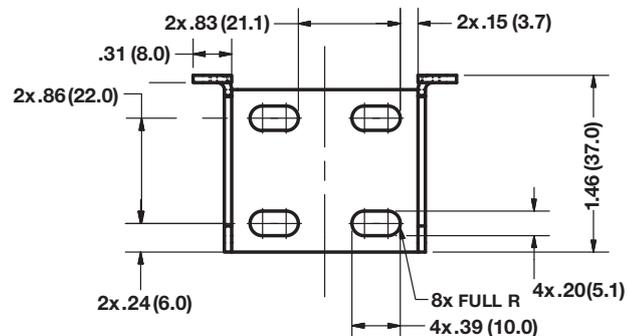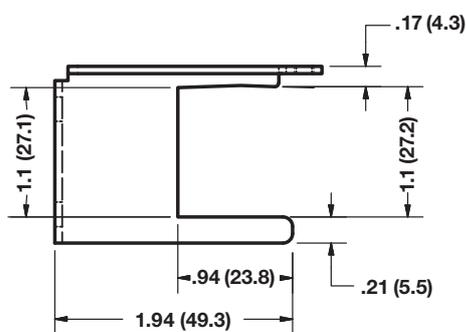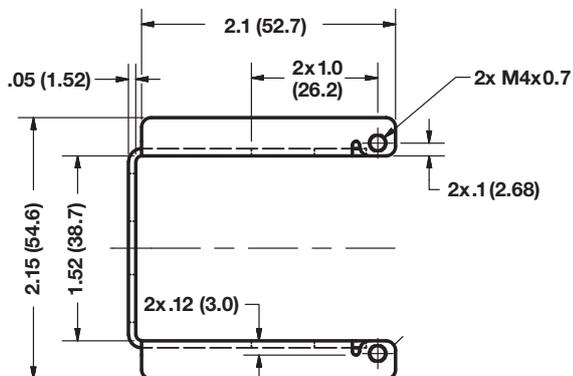
Dimensions in inches [mm]
Projection/Third angle
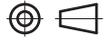
Porting block for 18D pressure switch
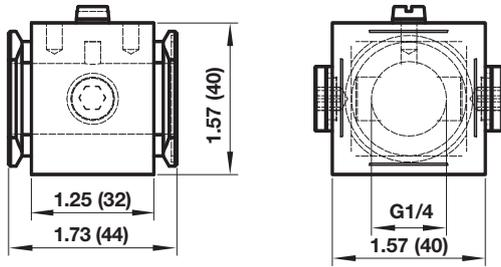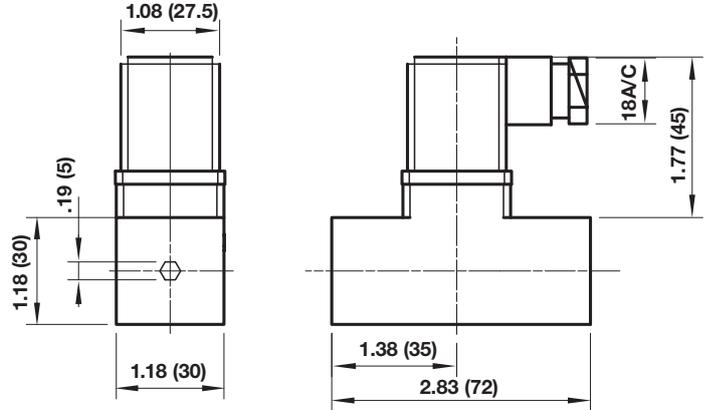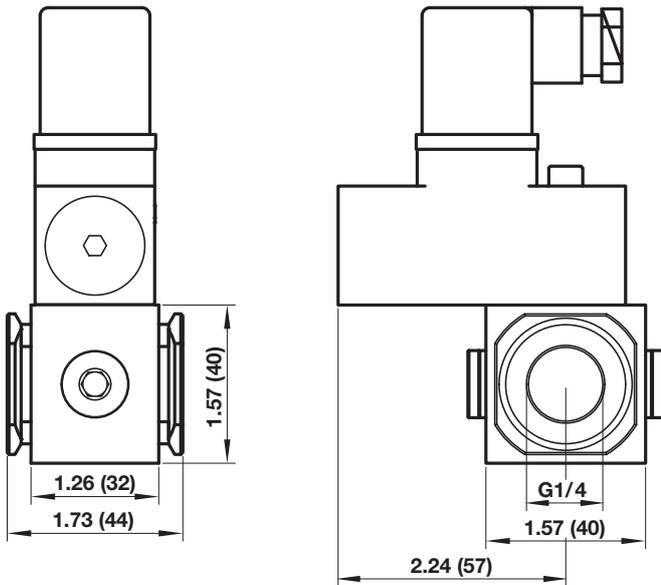

18D Pressure switch

18D Porting block and 18D assembled

Pipe adaptor
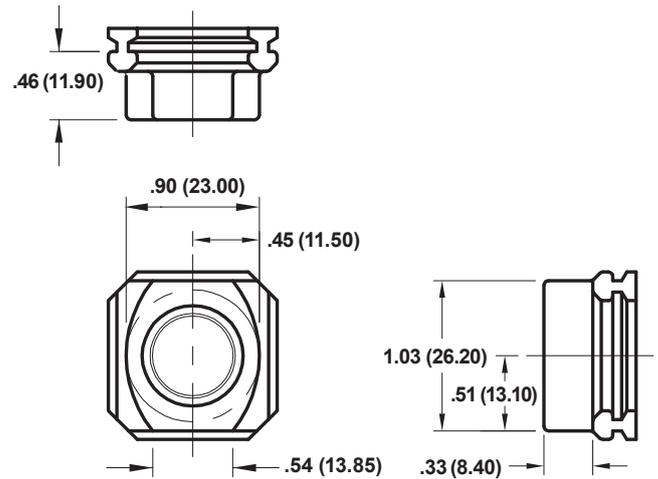
Pressure sensing block

Full flow porting block

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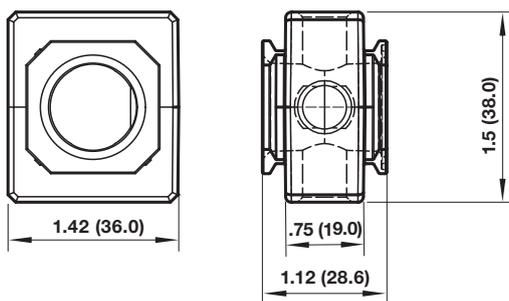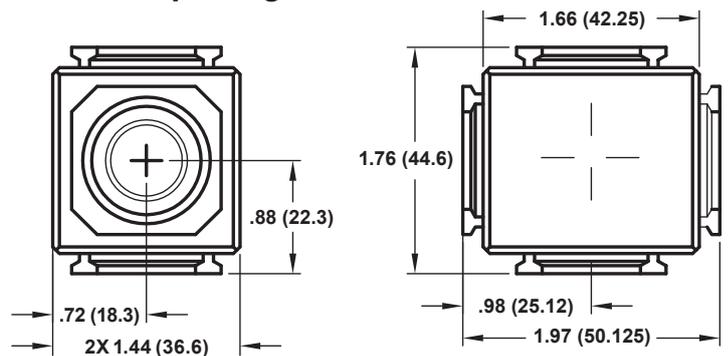
Dimensions in inches [mm]
Projection/Third angle

51D Pressure switch - digital

1.22 (31.0)
1.43 (36.50)
1.22 (31.0)
1.18 (30.0)
11.8 (300.0)
G1/8
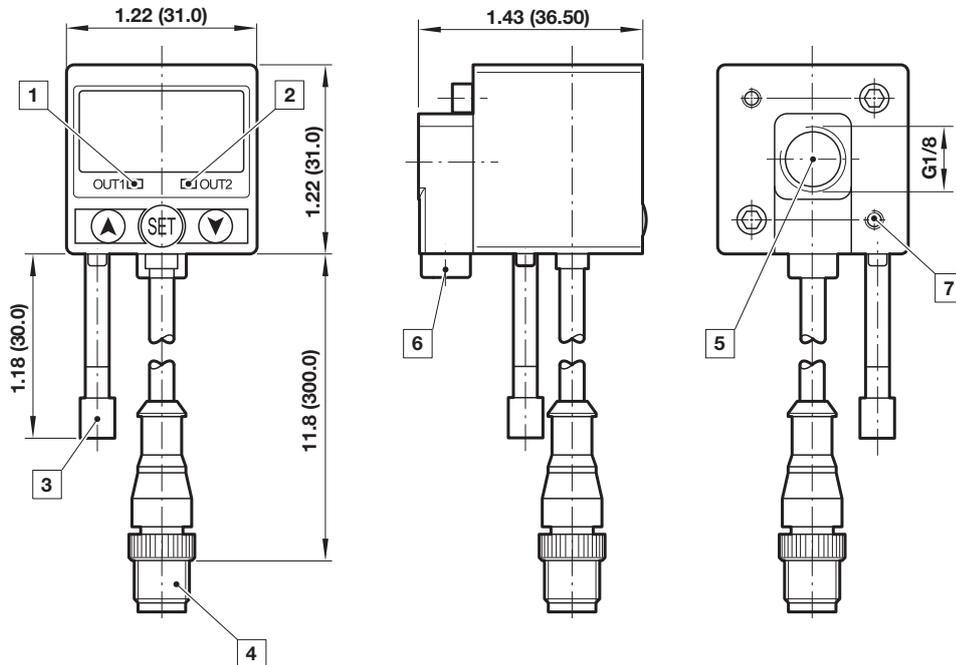
1 Switch OUT 1, green LED
2 Switch OUT 2, red LED
3 Dustproof protector
4 Connector M12 x 1
5 Inlet port
6 Alternative inlet port G1/8 plugged
7 Thread for mounting screw

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »Technical features/data«. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering, Norgren Ltd.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure. System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided. System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.