

MSA

General Type With Hand Knob

MODEL CONFIGURATION

MSA - 40 - A - P

1 Series

1 2 3 4

2 Adjustment Range

Model	Adjustment Range (bar)	Maximum Operating Pressure(bar)	Standard Setting(bar)	Weight (kg)
30	4-30	80	14	1.1
40	8-40	150	20	1.1
70	10-70	150	30	1.1
100	15-100	250	50	1.1
150	20-150	250	70	1.1
250	40-250	400	100	1.1
360	50-360	400	200	1.1

3 Indicator

A With LED indicator **B** Without LED indicator

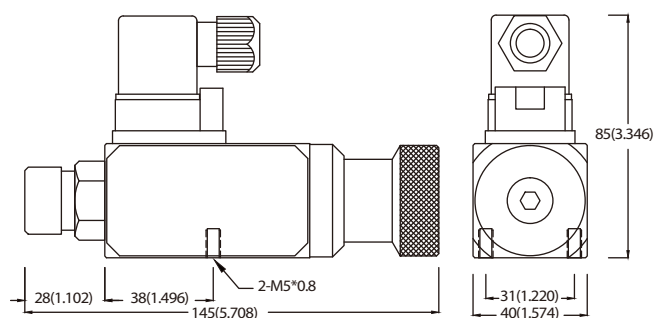
4 Thread Port

P 1/4"PT **N** 1/4"NPT **G** 1/4"PF

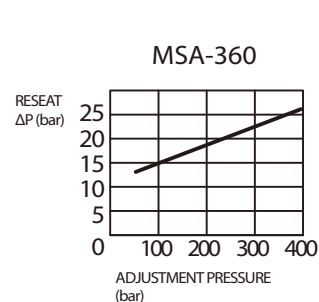
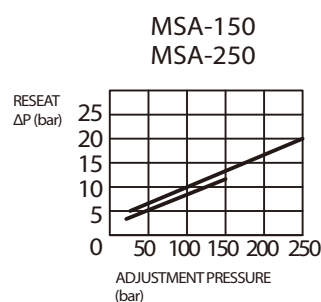
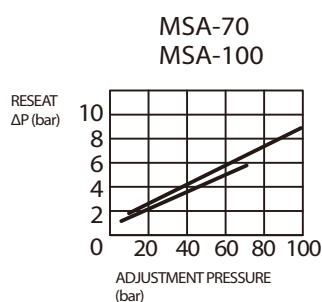
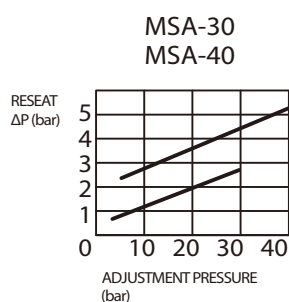


DIMENSIONAL DRAWING

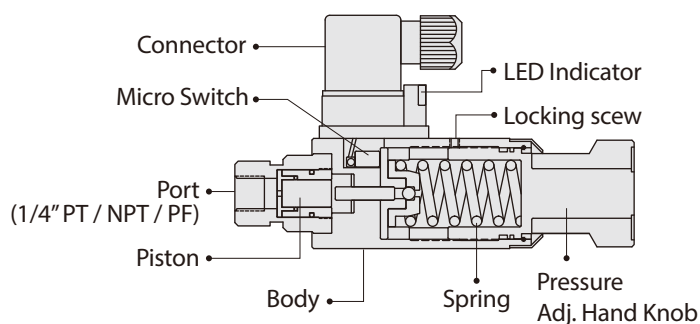
mm(inch)



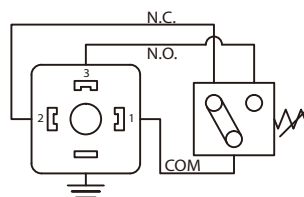
PERFORMANCE CURVES



SCHEMATIC CROSS-SECTION



CONNECTING SCHEMATIC



N.O.: Normally Open
N.C.: Normally Close

Rating

A: 24VDC, 0.6A
250VAC, 0.6A

B: 30 VDC, 0.5A
125 VDC, 0.15A
125-250 VAC, 3A

Lift time: 1,000,000

MSB

General Type

MODEL CONFIGURATION

1 Series

MSB - 250 - A - P

1

2

3

4

2 Adjustment Range

Model	Adjustment Range (bar)	Maximum Operating Pressure(bar)	Standard Setting(bar)	Weight (kg)
20	2-20	80	10	0.6
40	8-40	150	20	0.6
70	10-70	150	30	0.6
150	20-150	250	70	0.6
250	40-250	250	100	0.6

3 Indicator

A With LED indicator

B Without LED indicator

4 Thread Port

P 1/4"PT

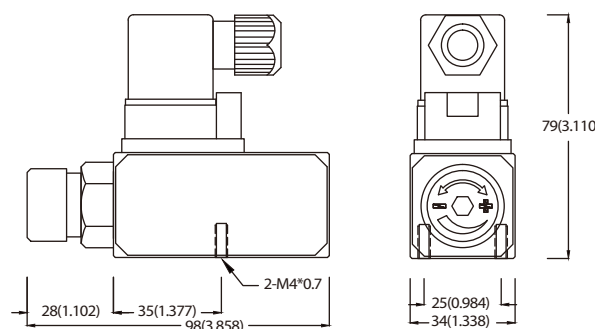
N 1/4"NPT

G 1/4"PF

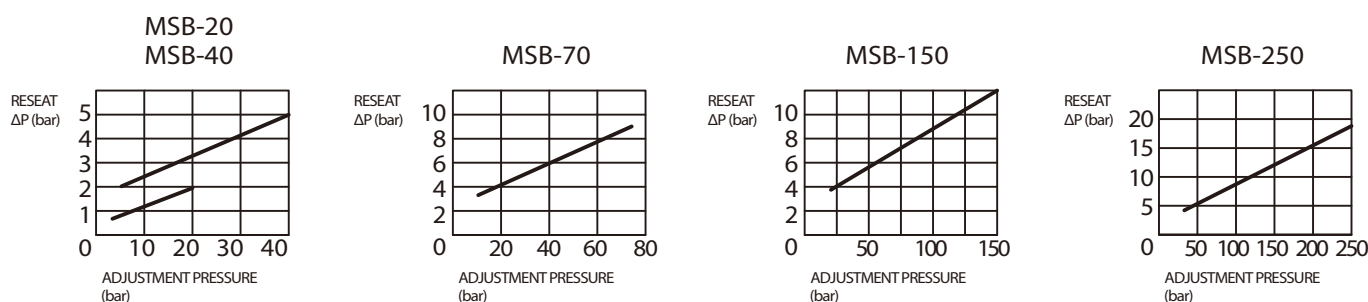


DIMENSIONAL DRAWING

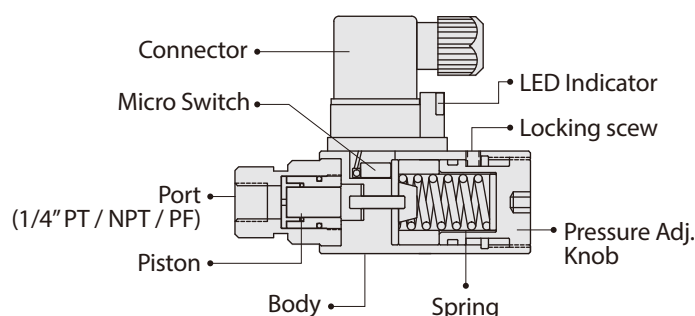
mm(inch)



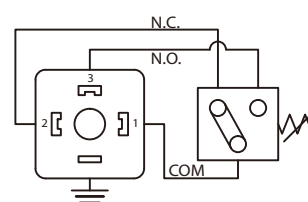
PERFORMANCE CURVES



SCHEMATIC CROSS-SECTION



CONNECTING SCHEMATIC



N.O.: Normally Open

N.C.: Normally Close

Rating

A: 24VDC, 0.6A
250VAC, 0.6A

B: 30 VDC, 0.5A
125 VDC, 0.15A
125-250 VAC, 3A

Lift time: 1,000,000

MSC

Cartridge Type With Hand Knob

MODEL CONFIGURATION

MSC - 250 - B - M

1 Series

1

2

3

4

2 Adjustment Range:

Model	Adjustment Range (bar)	Maximum Operating Pressure(bar)	Standard Setting(bar)	Weight (kg)
40	8-40	80	20	1.1
70	10-70	150	30	1.1
100	15-100	150	50	1.1
150	20-150	250	70	1.1
250	40-250	400	100	1.1
360	50-360	400	200	1.1

3 Indicator

A With LED indicator

B Without LED indicator

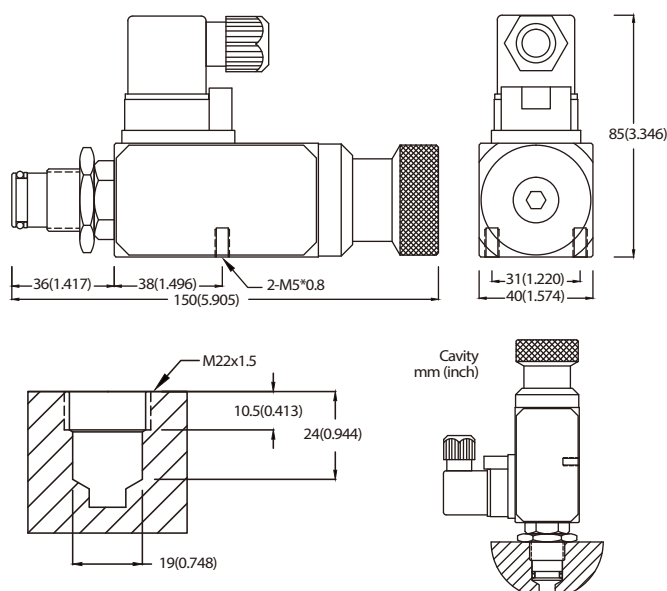
4 Thread Port

M M22x1.5

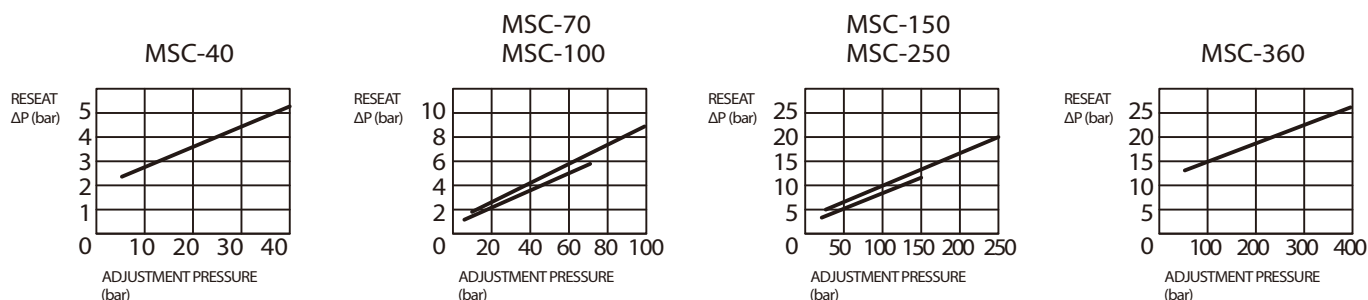


DIMENSIONAL DRAWING

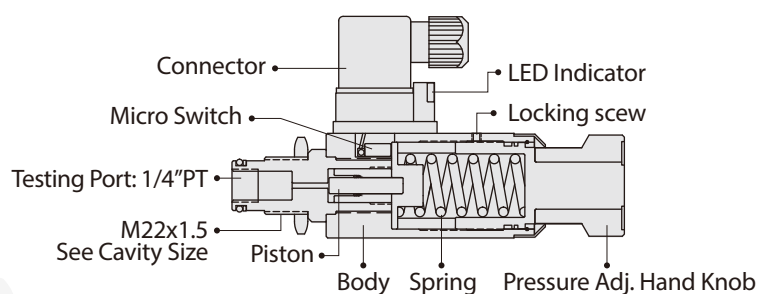
mm(inch)



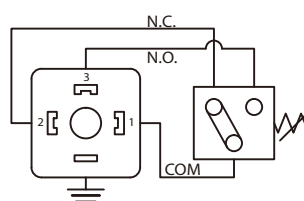
PERFORMANCE CURVES



SCHEMATIC CROSS-SECTION



CONNECTING SCHEMATIC



N.O.: Normally Open
N.C.: Normally Close

Rating

A: 24VDC, 0.6A
250VAC, 0.6A

B: 30 VDC, 0.5A
125 VDC, 0.15A
125-250 VAC, 3A

Lift time: 1,000,000

MSF

Panel Mount With Hand Knob

MODEL CONFIGURATION

MSF - 250 - B - P

1 Series

1

2

3

4

2 Adjustment Range:

Model	Adjustment Range (bar)	Maximum Operating Pressure(bar)	Standard Setting(bar)	Weight (kg)
40	6-40	150	20	1.2
70	10-70	150	30	1.2
100	15-100	200	50	1.2
150	20-150	250	70	1.2
250	40-250	400	100	1.2
360	50-360	400	200	1.2

3 Indicator

A With LED indicator

B Without LED indicator

4 Thread Port

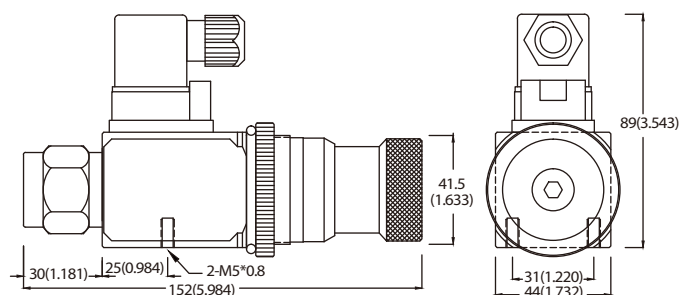
P 1/4"PT

N 1/4"NPT

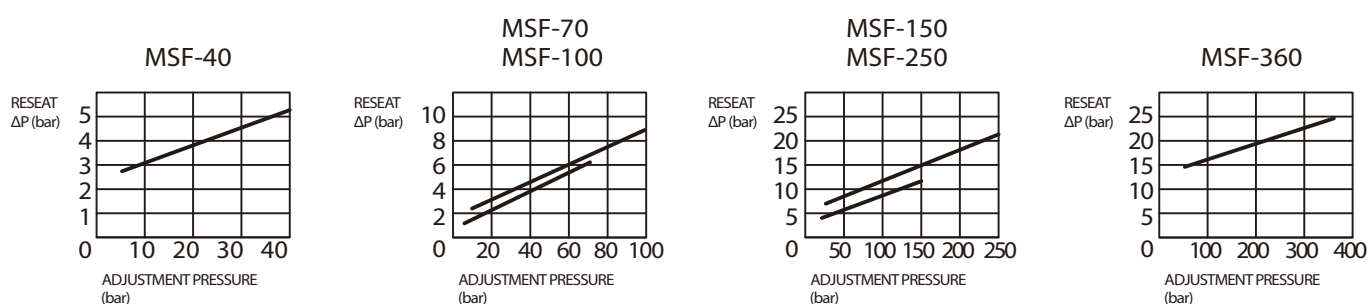


DIMENSIONAL DRAWING

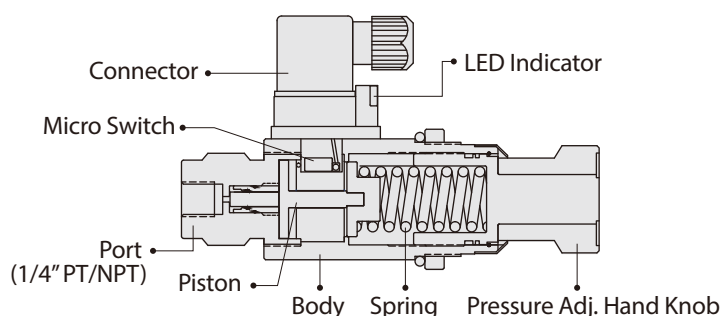
mm(inch)



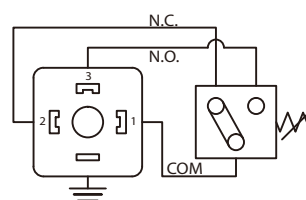
PERFORMANCE CURVES



SCHEMATIC CROSS-SECTION



CONNECTING SCHEMATIC



N.O.: Normally Open
N.C.: Normally Close

Rating

A: 24VDC, 0.6A
250VAC, 0.6A

B: 30 VDC, 0.5A
125 VDC, 0.15A
125-250 VAC, 3A

Lift time: 1,000,000

MSP

Diaphragm Type (Pneumatic, Hydraulic, Water)

MODEL CONFIGURATION

1 Series

MSP - 20 - B - P

1 2 3 4

2 Adjustment Range:

Model	Adjustment Range (bar)	Maximum Operating Pressure(bar)	Standard Setting(bar)	Weight (kg)
2	0.5-2.0	80	1	0.3
8	1.5-8.0	80	4	0.3
20	2.0-20	80	5	0.3

3 Indicator

A With LED indicator **B** Without LED indicator

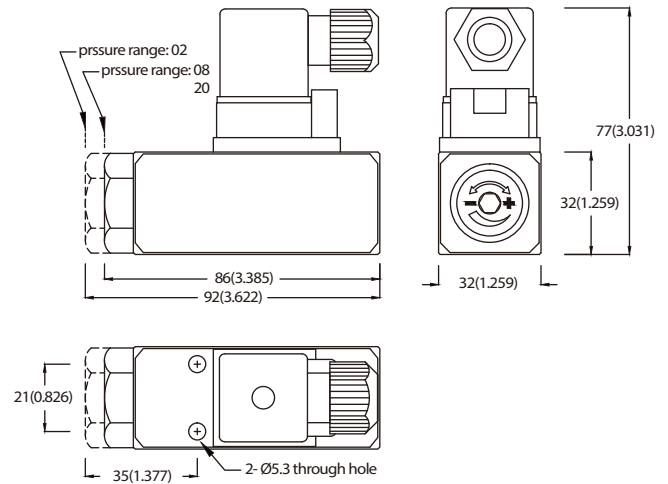
4 Thread Port

P 1/4"PT **N** 1/4"NPT

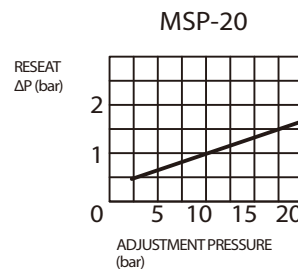
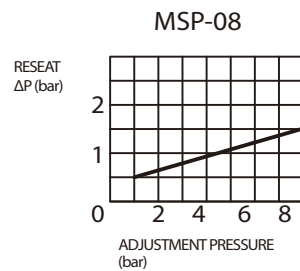
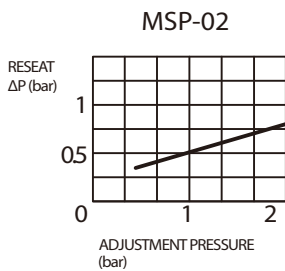


DIMENSIONAL DRAWING

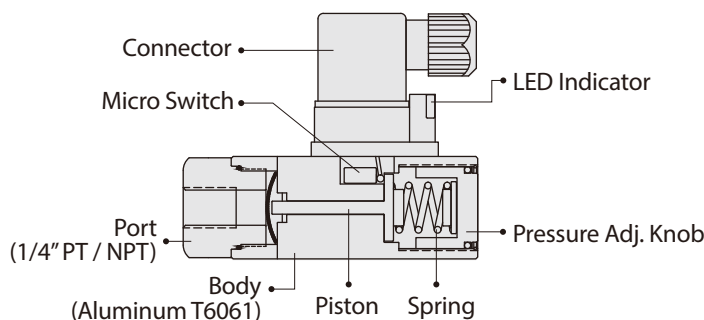
mm(inch)



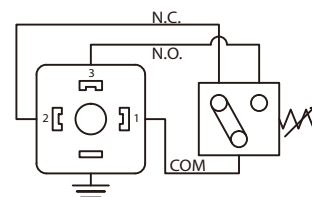
PERFORMANCE CURVES



SCHEMATIC CROSS-SECTION



CONNECTING SCHEMATIC



N.O.: Normally Open
N.C.: Normally Close

Rating

A: 24VDC, 0.6A
250VAC, 0.6A
B: 30 VDC, 0.5A
125 VDC, 0.15A
125-250 VAC, 3A

Lift time: 1,000,000

MSL

High durability with hand knob
Subplate or general mounting

MODEL CONFIGURATION

MSL - 400 - B - P

1 Series

1

2

3

4

2 Adjustment Range:

Model	Adjustment Range (bar)	Maximum Operating Pressure(bar)	Standard Setting(bar)	Weight (kg)
50	8-50	200	25	1.0
100	15-100	300	45	1.0
200	30-200	300	100	1.0
280	40-280	350	110	1.0
400	50-400	400	180	1.0

3 Indicator

B Without LED indicator

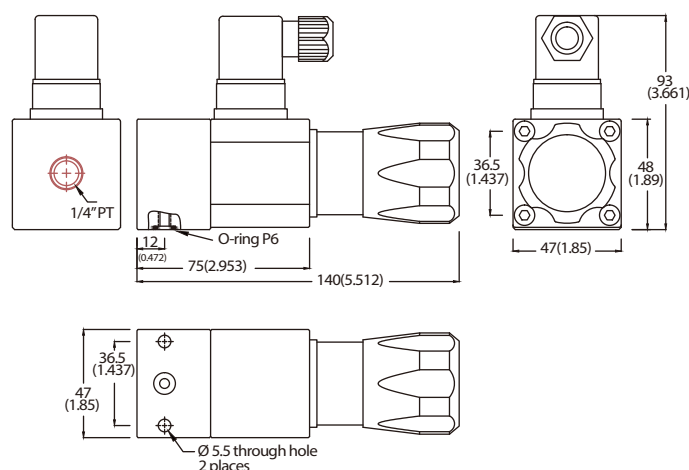
4 Thread Port

P 1/4"PT

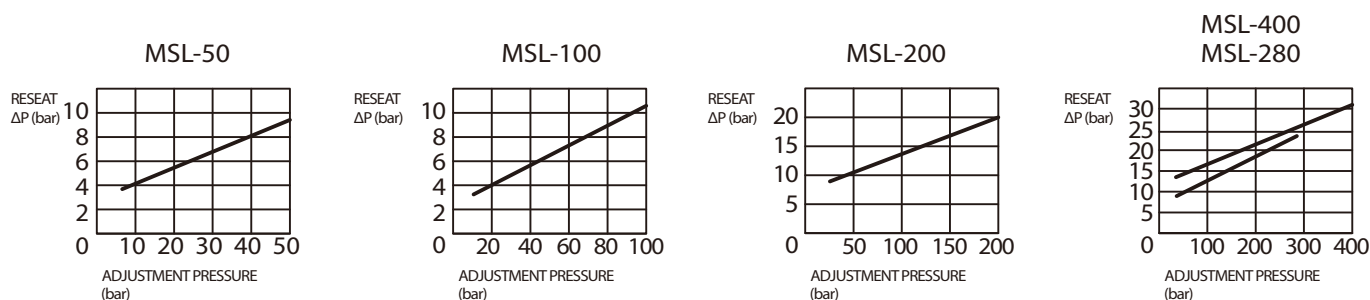


DIMENSIONAL DRAWING

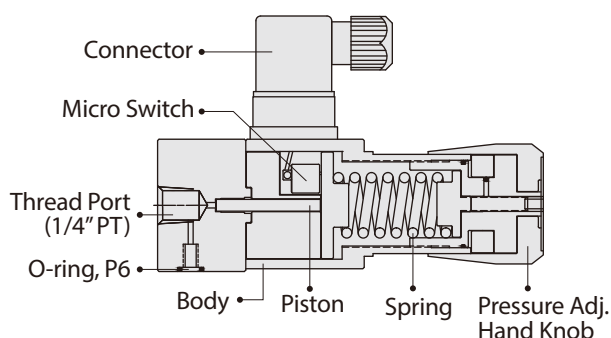
mm(inch)



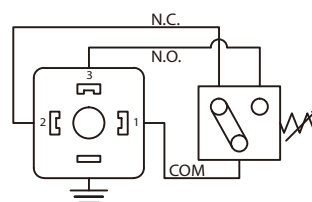
PERFORMANCE CURVES



SCHEMATIC CROSS-SECTION



CONNECTING SCHEMATIC



Rating

B: 30 VDC, 0.5A
125-250 VAC, 3A

N.O.: Normally Open

N.C.: Normally Close

Lift time: 2,000,000

DSA

NPN transistor with hand knob

MODEL CONFIGURATION

DSA - 100 - A - P

1 Series

1

2

3

4

2 Adjustment Range:

Model	Adjustment Range (bar)	Maximum Operating Pressure(bar)	Standard Setting(bar)	Weight (kg)
50	6-50	200	25	0.8
100	15-100	300	45	0.8
200	30-200	300	100	0.8
280	40-280	350	110	0.8
400	50-400	400	180	0.8

3 Indicator

A With LED indicator

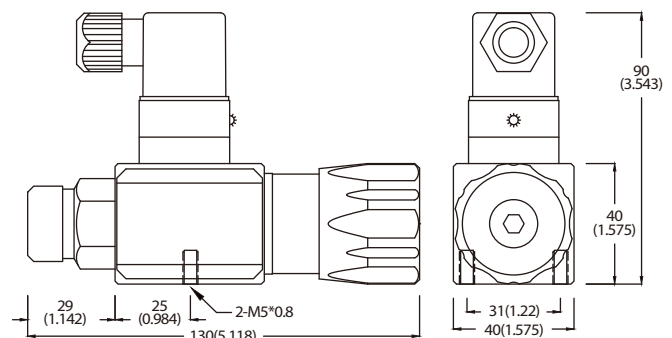
4 Thread Port

P 1/4"PT

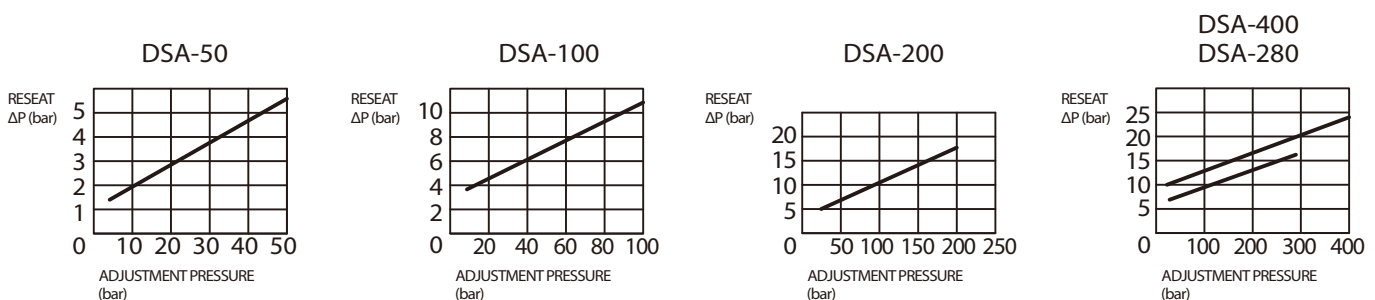


DIMENSIONAL DRAWING

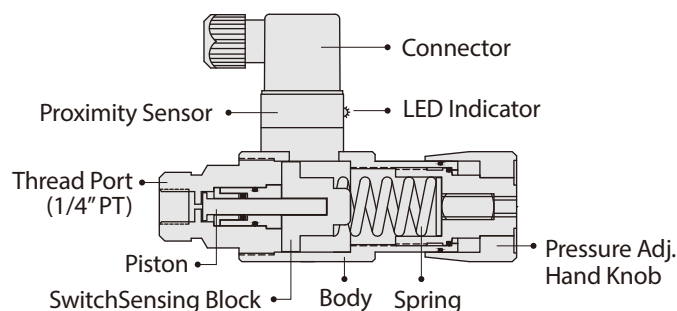
mm(inch)



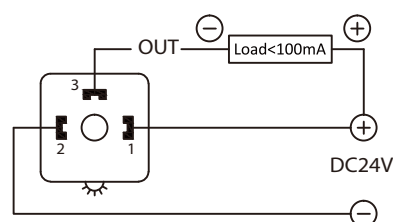
PERFORMANCE CURVES



SCHEMATIC CROSS-SECTION



CONNECTING SCHEMATIC



Rating

A: 24 VDC, 0.1A

N.O: Normally Open

N.C: Normally Close

Lift time: 80,000,000

DSB

NPN transistor without hand knob

MODEL CONFIGURATION

DSB - 250 - A - P

① Series ② ③ ④

② Adjustment Range:

Model	Adjustment Range (bar)	Maximum Operating Pressure(bar)	Standard Setting(bar)	Weight (kg)
40	6-40	150	20	0.6
70	10-70	150	30	0.6
150	20-150	250	70	0.6
250	40-250	250	100	0.6

③ Indicator

A With LED indicator

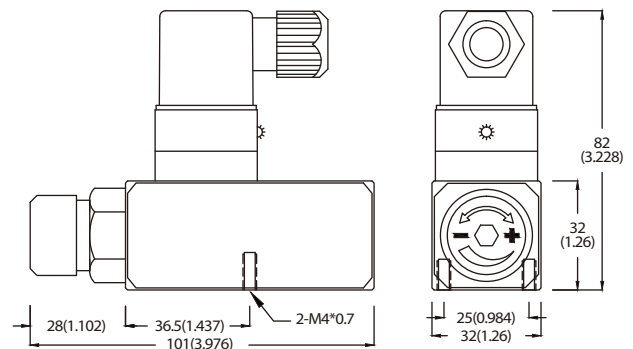
④ Thread Port

P 1/4"PT

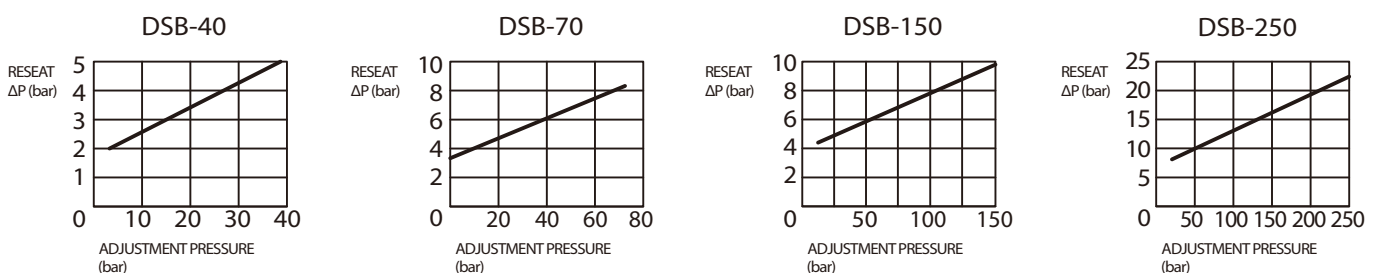


DIMENSIONAL DRAWING

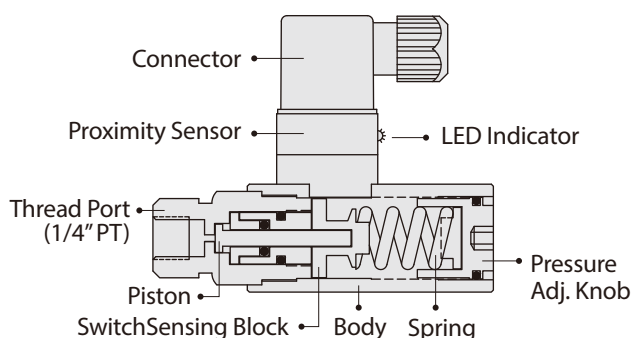
mm(inch)



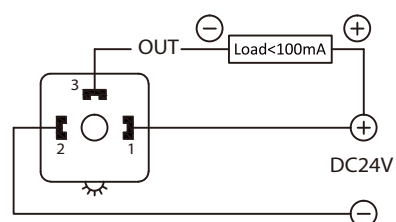
PERFORMANCE CURVES



SCHEMATIC CROSS-SECTION



CONNECTING SCHEMATIC



N.O: Normally Open
N.C: Normally Close

Lift time: 80,000,000

Rating
A: 24 VDC, 0.1A