

ABSOLUTELY

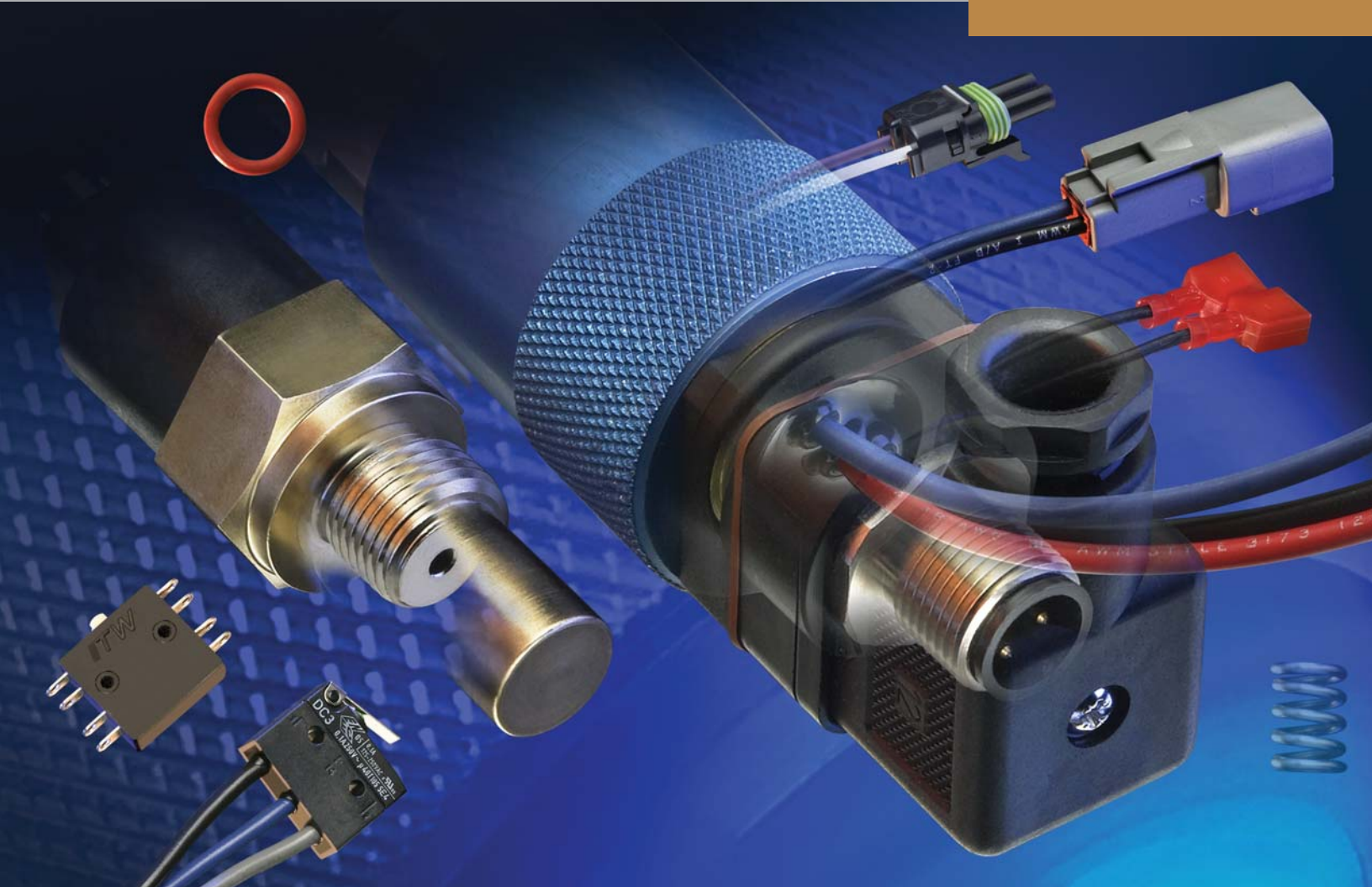
EXACTLY

RIGHT

CUSTOM
ENGINEERED
SWITCHES

NASON

NEW THINKING



PRESSURE / VACUUM SWITCHES

CD High Pressure Switch



NV Vacuum Switch



SQ	Low Pressure Switch	4
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TEMPERATURE SWITCHES

TD Temperature Switch



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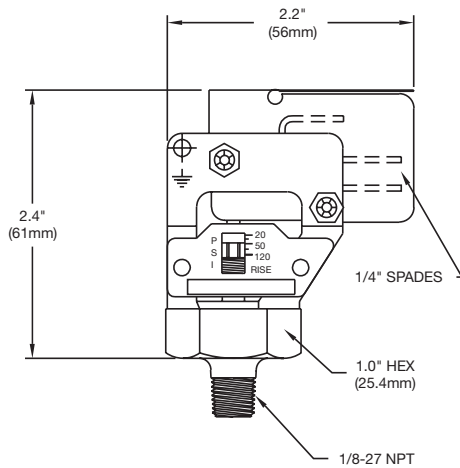
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Features

- Long life elastomer diaphragm
- High quality snap action switch
- Finger tip adjustment
- Visual calibration
- Economical
- Quick delivery

Dimensions



Operating Specifications

Set Point Range	2 – 120 PSI	(.14 – 8.3 Bar)
Set Point Tolerance	±1 PSI or 5%	(.07 Bar)
Maximum Operating Pressure	250 PSI	(17 Bar)
Proof Pressure	750 PSI	(51 Bar)
Differential	10 – 20%	
Current Rating	10 A @ 125/250 VAC	
	5 A @ 30 VDC	
Media Connection	1/8" NPT Male Brass	
Circuit Form	SPDT	
Electrical Connection	1/4" Blades	
Diaphragm Material	Buna N	
Cycle Life	1 Million	

In-Stock Low Pressure Switches



Model	Adjustment Range
SQ-1	2 – 10 PSI



Model	Adjustment Range
SQ-2	6 – 30 PSI



Model	Adjustment Range
SQ-3	20 – 120 PSI

For custom designs and technical assistance call 800.229.4955 or visit us at www.nasonptc.com

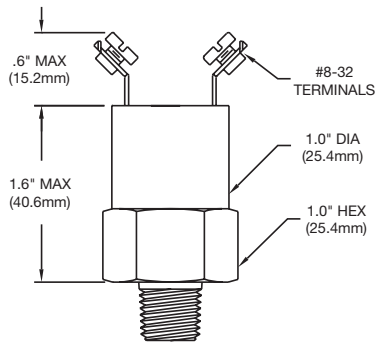


Shown with 9.4mm DIN – Electrical Option HP

Features

- Long life elastomer diaphragm
- High quality snap action switch
- Factory preset
- Available in a wide range of configurations
- Economical
- Pneumatic and hydraulic applications
- NEMA 4, 13

Dimensions



Operating Specifications

Set Point Range	2 – 120 PSI	(.14 – 8.3 Bar)
Set Point Tolerance	±1 PSI or 5%	(.07 Bar)
Maximum Operating Pressure	250 PSI	(17 Bar)
Proof Pressure	750 PSI	(51 Bar)
Differential	8 – 16%	
Current Rating	5 A @ 250 VAC	
	5 A @ 30 VDC (Resistive)	
Media Connection	See Order Chart Below for Options	
Circuit Form	SPST-NO or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Diaphragm Material	Buna N	
Cycle Life	1 Million	

How to Order

Example: Part Number: **SM – 2A – 95R /**

SM – 2 A – 9 5 R / *

<p>Media Connection</p> <ul style="list-style-type: none"> 1 1/4" NPT Male 2 1/8" NPT Male 6 7/16" SAE O-Ring (-4) 14 1/2" NPT Male – 1/8" NPT Female 17 1/4" BSPP Male (G1/4) 28 1/8" BSPP Male (G1/8) 	<p>Circuit Form</p> <ul style="list-style-type: none"> A SPST-NO B SPST-NC C SPDT 	<p>Fixed Set Point</p> <p>2 – 120 PSI</p>	<p>Set Point Direction</p> <ul style="list-style-type: none"> R Rising F Falling 	<p>Electrical Options</p> <ul style="list-style-type: none"> WL Wire Leads 18" QC 1/4" Spade Connection WP Weather Pack HR DIN43650A Connector MP Metri-Pack AT 10 A @ 125/250 VAC 5 A @ 30 VDC GG Internal Ground AU Gold Plate/Alloy for low currents
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* Defaults to Screw Terminals

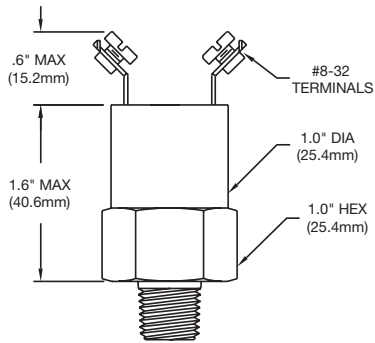
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LOW PRESSURE SWITCH MM



Shown with Weather Pack – Electrical Option **WP**

Dimensions



Features

- Long life elastomer diaphragm
- High quality snap action switch
- Factory preset
- Available in a wide range of configurations
- Economical
- Pneumatic and hydraulic applications
- NEMA 4, 13

Operating Specifications

Set Point Range	2 – 120 PSI	(.14 – 8.3 Bar)
Set Point Tolerance	±1 PSI or 5%	(.07 Bar)
Maximum Operating Pressure	600 PSI	(41 Bar)
Proof Pressure	1800 PSI	(124 Bar)
Differential	8 – 16%	
Current Rating	5 A @ 250 VAC	
	5 A @ 30 VDC (Resistive)	
Media Connection	See Order Chart Below for Options	
Circuit Form	SPST-NO or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Diaphragm Material	Buna N	
Cycle Life	1 Million	

How to Order

Example: Part Number: **MM – 6A – 80R / WL** *

MM – 6 A – 8 0 R / WL *				
<p>Media Connection</p> <p>1 1/4" NPT Male</p> <p>2 1/8" NPT Male</p> <p>6 7/16" SAE O-Ring (-4)</p> <p>14 1/2" NPT Male – 1/8" NPT Female</p> <p>17 1/4" BSPP Male (G1/4)</p> <p>28 1/8" BSPP Male (G1/8)</p>	<p>Circuit Form</p> <p>A SPST-NO</p> <p>B SPST-NC</p> <p>C SPDT</p>	<p>Fixed Set Point</p> <p>2 – 120 PSI</p>	<p>Set Point Direction</p> <p>R Rising</p> <p>F Falling</p>	<p>Electrical Options</p> <p>WL Wire Leads 18"</p> <p>QC 1/4" Spade Connection</p> <p>WP Weather Pack</p> <p>HR DIN43650A Connector</p> <p>MP Metri-Pack</p> <p>AT 10 A @ 125/250 VAC 5 A @ 30 VDC</p> <p>GG Internal Ground</p> <p>AU Gold Plate/Alloy for low currents</p>
<p>* Defaults to Screw Terminals</p>				

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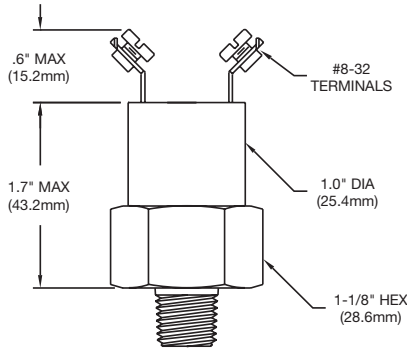


Shown with Female Conduit – Electrical Option EF

Features

- Long life elastomer diaphragm
- High quality snap action switch
- Factory preset
- Available in a wide range of configurations
- Economical
- Pneumatic and hydraulic applications
- NEMA 4, 13

Dimensions



Operating Specifications

Set Point Range	10 – 300 PSI	(.69 – 20 Bar)
Set Point Tolerance	±1 PSI or 5%	(.07 Bar)
Maximum Operating Pressure	2000 PSI	(137 Bar)
Proof Pressure	6000 PSI	(413 Bar)
Differential	12 – 24%	
Current Rating	5 A @ 250 VAC	
	5 A @ 30 VDC (Resistive)	
Media Connection	See Order Chart Below for Options	
Circuit Form	SPST-NO or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Diaphragm material	Buna N	
Cycle Life	1 Million	

How to Order

Example: Part Number: **LM – 6A – 250R / WL** *

LM – 6 A – 2 5 0 R / WL *

<p>Media Connection</p> <p>1 1/4" NPT Male</p> <p>2 1/8" NPT Male</p> <p>6 7/16" SAE O-Ring (-4)</p>	<p>Circuit Form</p> <p>A SPST-NO</p> <p>B SPST-NC</p> <p>C SPDT</p>	<p>Fixed Set Point</p> <p>10 – 300 PSI</p>	<p>Set Point Direction</p> <p>R Rising</p> <p>F Falling</p>	<p>Electrical Options</p> <p>WL Wire Leads 18"</p> <p>QC 1/4" Spade Connection</p> <p>WP Weather Pack</p> <p>HR DIN43650A Connector</p> <p>MP Metri-Pack</p> <p>AT 10 A @ 125/250 VAC 5 A @ 30 VDC</p> <p>GG Internal Ground</p> <p>AU Gold Plate/Alloy for low currents</p>
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* Defaults to Screw Terminals

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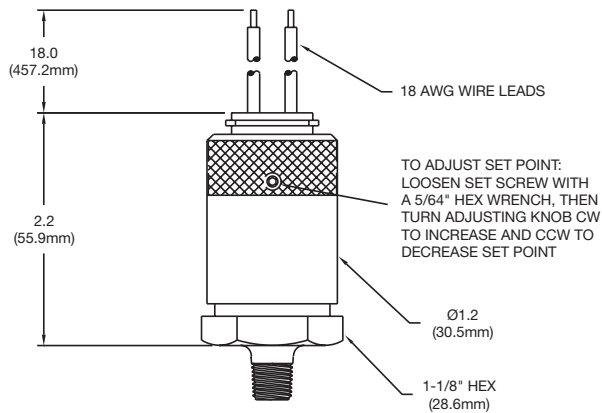


Shown with 9.4mm DIN – Electrical Option **HM**

Features

- Long life elastomer diaphragm
- High quality snap action switch
- Field adjustable
- Compact design
- Easily customized
- Quick delivery
- NEMA 4, 13

Dimensions



Operating Specifications

Set Point Range	3 – 120 PSI	(.21 – 8.3 Bar)
Set Point Tolerance	±1 PSI or 5%	(.07 Bar)
Maximum Operating Pressure	250 PSI	(17 Bar)
Proof Pressure	750 PSI	(51 Bar)
Differential	10 – 20%	
Current Rating	3 A @ 125 VAC	
	2 A @ 30 VDC (Resistive)	
Media Connection	See Order Chart Below for Options	
Circuit Form	SPST-NO or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Diaphragm material	Buna N	
Cycle Life	1 Million	

How to Order

Example: Part Number: **CJ – 1B3 – 060J / WL**

CJ – 1 B 3 – 0 6 0 J / WL					
Media Connection 1 1/4" NPT Male 2 1/8" NPT Male 17 1/4" BSPP Male 28 1/8" BSPP Male	Circuit Form A SPST-NO B SPST-NC C SPDT	Range 1 3 – 10 PSI 2 6 – 30 PSI 3 20 – 120 PSI	Desired Set Point 3 – 120 PSI	Set Point Direction J Rising Adjustable G Falling Adjustable	Electrical Options WL Wire Leads 18" WP Weather Pack HM 9.4mm DIN MP Metri-Pack AU Gold Plate/Alloy for low currents

See pages 15 – 17 for additional options available on this model. For custom designs and technical assistance call 800.229.4955 or visit us at www.nasonptc.com

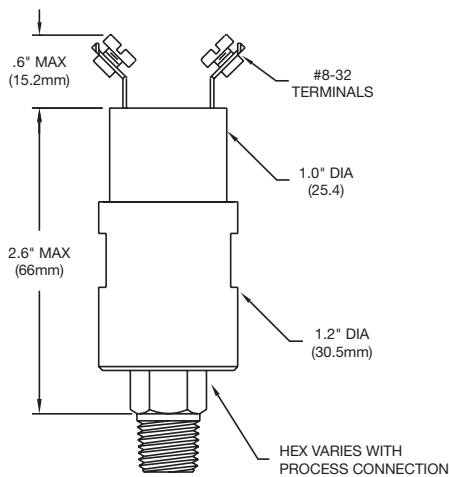


Shown with Male Conduit – Electrical Option EL

Features

- Long life elastomer diaphragm
- High quality snap action switch
- Factory preset
- Compact design
- Available in a wide range of configurations
- Proven in the most demanding mobile hydraulic applications
- NEMA 4, 13

Dimensions



Operating Specifications

Set Point Range	40 – 4000 PSI	(1.3 – 289 Bar)
Set Point Tolerance	±5 PSI or 5%	(.34 Bar)
Maximum Operating Pressure	5000 PSI	(344 Bar)
Proof Pressure	15000 PSI	(1034 Bar)
Differential	8 – 16%	
Current Rating	5 A @ 250 VAC	
	5 A @ 30 VDC (Resistive)	
Media Connection	See Order Chart Below for Options	
Circuit Form	SPST-No or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Diaphragm Material	Buna N	
Cycle Life	1 Million	

How to Order

Example: Part Number: **XM – 1A – 1500R / WL** *

XM – 1 A – 1 5 0 0 R / WL *				
<p>Media Connection</p> <ul style="list-style-type: none"> 1 1/4" NPT Male 2 1/8" NPT Male 4 7/16" SAE 37° Flare (-4) 6 7/16" SAE O-Ring (-4) 11 9/16" SAE O-Ring (-6) 	<p>Circuit Form</p> <ul style="list-style-type: none"> A SPST-NO B SPST-NC C SPDT 	<p>Fixed Set Point</p> <p>40 – 4000 PSI</p>	<p>Set Point Direction</p> <ul style="list-style-type: none"> R Rising F Falling 	<p>Electrical Options</p> <ul style="list-style-type: none"> WL Wire Leads 18" QC 1/4" Spade Connection WP Weather Pack HR DIN43650A Connector MP Metri-Pack AT 10 A @ 125/250 VAC 5 A @ 30 VDC GG Internal Ground AU Gold Plate/Alloy for low currents
<p>* Defaults to Screw Terminals</p>				

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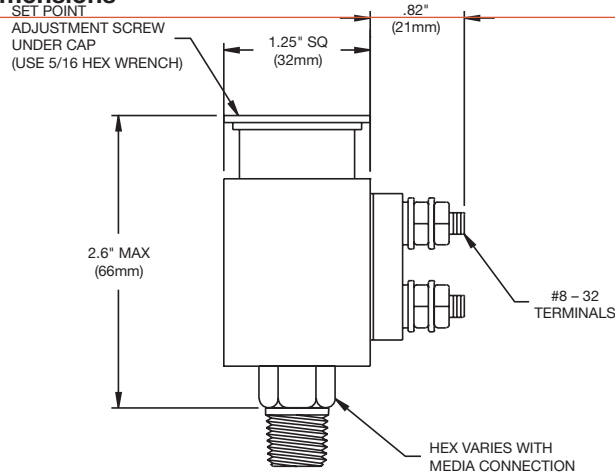


Shown with Complete DIN – Electrical Option **HR**

Features

- Long life elastomer diaphragm
- High quality snap action switch
- Field adjustable
- Compact design
- Available in a wide range of configurations
- Proven in the most demanding mobile hydraulic applications
- NEMA 4, 13

Dimensions



Operating Specifications

Set Point Range	50 – 5000 PSI	(1.38 – 289 Bar)
Set Point Tolerance	±5 PSI or 5%	(.34 Bar)
Maximum Operating Pressure	5000 PSI	(344 Bar)
Proof Pressure	15000 PSI	(1034 Bar)
Differential	3 – 10%	
Current Rating	5 A @ 250 VAC	
	5 A @ 30 VDC (Resistive)	
Media Connection	See Order Chart Below for Options	
Circuit Form	SPST-NO or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Diaphragm Material	Buna N	
Cycle Life	1 Million	

How to Order

Example: Part Number: **WX – 2A – 0100J / EL**

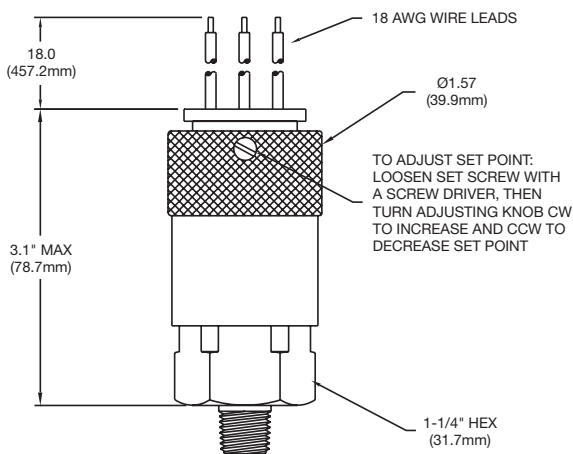
WX – 2 A – 0 1 0 0 J / EL				
<p>Media Connection</p> <ul style="list-style-type: none"> 1 1/4" NPT Male 2 1/8" NPT Male 4 7/16" SAE 37° Flare (-4) 6 7/16" SAE O-Ring (-4) 11 9/16" SAE O-Ring (-6) 	<p>Circuit Form</p> <ul style="list-style-type: none"> A SPST-NO B SPST-NC C SPDT 	<p>Adjustment Range</p> <ul style="list-style-type: none"> 50 – 150 PSI 140 – 400 PSI 300 – 800 PSI 700 – 2500 PSI 2000 – 5000 PSI 	<p>Set Point Direction</p> <ul style="list-style-type: none"> J Rising Adjustable G Falling Adjustable 	<p>Electrical Options</p> <ul style="list-style-type: none"> WL Wire Leads 18" QC 1/4" Spade Connection WP Weather Pack HR DIN43650A Connector MP Metri-Pack AT 10 A @ 125/250 VAC 5 A @ 30 VDC GG Internal Ground AU Gold Plate/Alloy for low currents
<p>* Defaults to Screw Terminals</p>				

See pages 15 – 17 for additional options available on this model. For custom designs and technical assistance call 800.229.4955 or visit us at www.nasonptc.com



Shown with Complete DIN – Electrical Option HR

Dimensions



Features

- Long life elastomer diaphragm (ranges 1 – 3)
- Proven sealed piston sensor (ranges 4 – 7)
- High quality snap action switch
- Field adjustable
- Easily customized
- Quick delivery
- NEMA 4, 13

Operating Specifications

Set Point Range	10 – 4500 PSI	(.69 – 289 Bar)
Set Point Tolerance	±5 PSI or 5%	(.34 Bar)
Maximum Operating Pressure	2000 PSI (Ranges 1 – 4)	(137 Bar)
	5000 PSI (Ranges 5 – 7)	(344 Bar)
Proof Pressure	6000 PSI (Ranges 1 – 4)	(413 Bar)
	15000 PSI (Ranges 5 – 7)	(1034 Bar)
Differential	10 – 20%	
Current Rating	5 A @ 250 VAC	
	5 A @ 30 VDC (Resistive)	
Media Connection	See Order Chart Below for Options	
Circuit Form	SPST-NO or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Diaphragm material	Buna (Ranges 1 – 3)	
	Hardened Steel Piston (Ranges 4 – 7)	
Cycle Life	1 Million	

How to Order

Example: Part Number: **CD – 1B5 – 0750J / EL**

CD – 1 B 5 – 0 7 5 0 J / EL – Electrical Options					
Media Connection	Circuit Form	Range	Desired Set Point	Set Point Direction	Electrical Options
Piston	A SPST-NO	1 10 – 40 PSI	10 – 4500 PSI	J Rising Adjustable G Falling Adjustable	WL Wire Leads 18"
1 1/4" NPT Male	B SPST-NC	2 25 – 100 PSI			EL Male Conduit 1/2" – 14 With Wire Leads 18"
3 3/4" SAE Male	C SPDT	3 50 – 200 PSI			EF Female Conduit 1/2" – 14 With Wire Leads 18"
11 9/16" SAE Male		4 100 – 400 PSI			HR DIN43650A With Receptacle
Diaphragms		5 250 – 1000 PSI			HH DIN43650A Without Receptacle
1 1/4" NPT Male		6 500 – 2000 PSI			QC 1/4" Spade Connection
3 3/4" SAE Male		7 1200 – 4500 PSI			WP Weather Pack
9 3/8" NPT Male			MP Metri-Pack		
11 9/16" SAE Male			WD Deutch		
			AT 10 A @ 125/250 VAC 5 A @ 30 VDC		
			AU Gold Plate/Alloy for low currents		

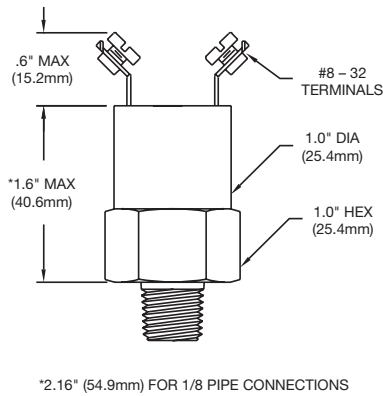
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Features

- Long life elastomer diaphragm
- High quality snap action switch
- Factory preset
- Available in a wide range of configurations
- Economical
- NEMA 4, 13

Dimensions



Operating Specifications

Set Point Range	4" - 30" Hg	(102mm - 762mm Hg)
Set Point Tolerance	±2" Hg	(50mm Hg)
Maximum Operating Pressure	250 PSI	(17 Bar)
Current Rating	5 A @ 250 VAC	
	5 A @ 30 VDC (Resistive)	
Differential	20 - 40%	
Media Connection	See Order Chart Below for Options	
Circuit Form	SPST-NO or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Diaphragm Material	Buna N	
Cycle Life	1 Million	

How to Order

Example: Part Number: **VM - 11A - 10R / WP** *

VM - 11 A - 1 0 R / WP *				
<p>Media Connection</p> <p>1 1/4" NPT Male</p> <p>2 1/8" NPT Male</p> <p>11 9/16" SAE O-Ring (-6)</p> <p>17 1/4" BSPP Male (G1/4)</p>	<p>Circuit Form</p> <p>A SPST-NO</p> <p>B SPST-NC</p> <p>C SPDT</p>	<p>Fixed Set Point</p> <p>4" - 30" Hg</p>	<p>Set Point Direction</p> <p>R Rising</p> <p>F Falling</p>	<p>Electrical Options</p> <p>WL Wire Leads 18"</p> <p>QC 1/4" Spade Connection</p> <p>WP Weather Pack</p> <p>HR DIN43650A Connector</p> <p>MP Metri-Pack</p> <p>AT 10 A @ 125/250 VAC 5 A @ 30 VDC</p> <p>GG Internal Ground</p> <p>AU Gold Plate/Alloy for low currents</p>
<p>* Defaults to Screw Terminals</p>				

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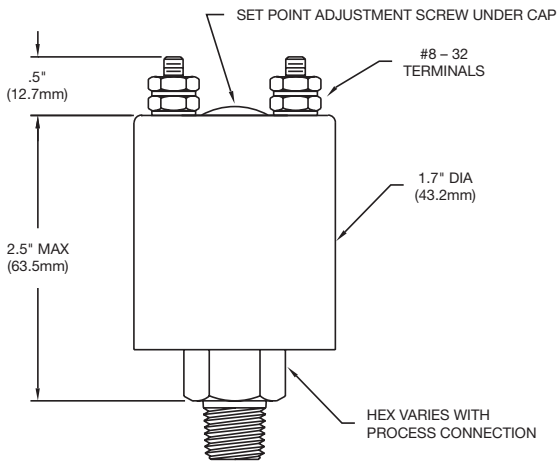


Shown with Complete DIN – Electrical Option HR

Features

- Long life elastomer diaphragm
- High quality snap action switch
- Factory preset or field adjustable
- Available in a wide range of configurations
- Economical
- NEMA 4, 13

Dimensions



Operating Specifications

Set Point Range	3" – 30" Hg	(76mm – 762mm Hg)
Set Point Tolerance	±2" Hg	(50mm Hg)
Maximum Operating Pressure	250 PSI	(17 Bar)
Current Rating	5 A @ 250 VAC	
	5 A @ 30 VDC (Resistive)	
Differential	20 – 40%	
Media Connection	See Order Chart Below for Options	
Circuit Form	SPST-NO or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Diaphragm Material	Buna N	
Cycle Life	1 Million	

How to Order

Example: Part Number: **NV – 1A – 20R / QC**

NV – 1 A – 2 0 R / QC *

<p>Media Connection</p> <p>1 1/4" NPT Male</p> <p>3 3/4" UNF SAE O-Ring (-5)</p> <p>17 1/4" BSPP Male (G1/4) Male Brass</p>	<p>Circuit Form</p> <p>A SPST-NO</p> <p>B SPST-NC</p> <p>C SPDT</p>	<p>Adjustment Range</p> <p>3" – 12" Hg</p> <p>8" – 30" Hg</p>	<p>Set Point Direction</p> <p>R Rising</p> <p>F Falling</p> <p>J Rising Adjustable</p> <p>G Falling Adjustable</p>	<p>Electrical Options</p> <p>WL Wire Leads 18"</p> <p>QC 1/4" Spade Connection</p> <p>WP Weather Pack</p> <p>HR DIN43650A Connector</p> <p>MP Metri-Pack</p> <p>AT 10 A @ 125/250 VAC 5 A @ 30 VDC</p> <p>GG Internal Ground</p> <p>AU Gold Plate/Alloy for low currents</p>
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* Defaults to Screw Terminals

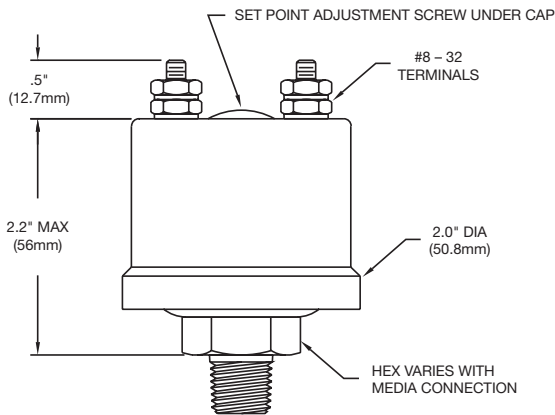
See pages 15 – 17 for additional options available on this model. For custom designs and technical assistance call 800.229.4955 or visit us at www.nasonptc.com



Features

- Long life elastomer diaphragm
- High quality snap action switch
- Factory preset or field adjustable
- Available in a wide range of configurations
- Economical
- NEMA 4, 13

Dimensions



Operating Specifications

Set Point Range	1" – 30" Hg (25mm – 762mm Hg)
	14" – 410" H ₂ O
Set Point Tolerance	±2" Hg (50mm Hg)
Maximum Operating Pressure	250 PSI (17 Bar)
Current Rating	10 A @ 125/250 VAC
	5 A @ 30 VDC
Differential	20 – 40%
Media Connection	See Order Chart Below for Options
Circuit Form	SPST-NO or SPST-NC
Electrical Connection	See Order Chart Below for Options
Cycle Life	1 Million

How to Order

Example: Part Number: **VP – 1A – 25R / MP**

VP – 1 A – 2 5 R / MP *

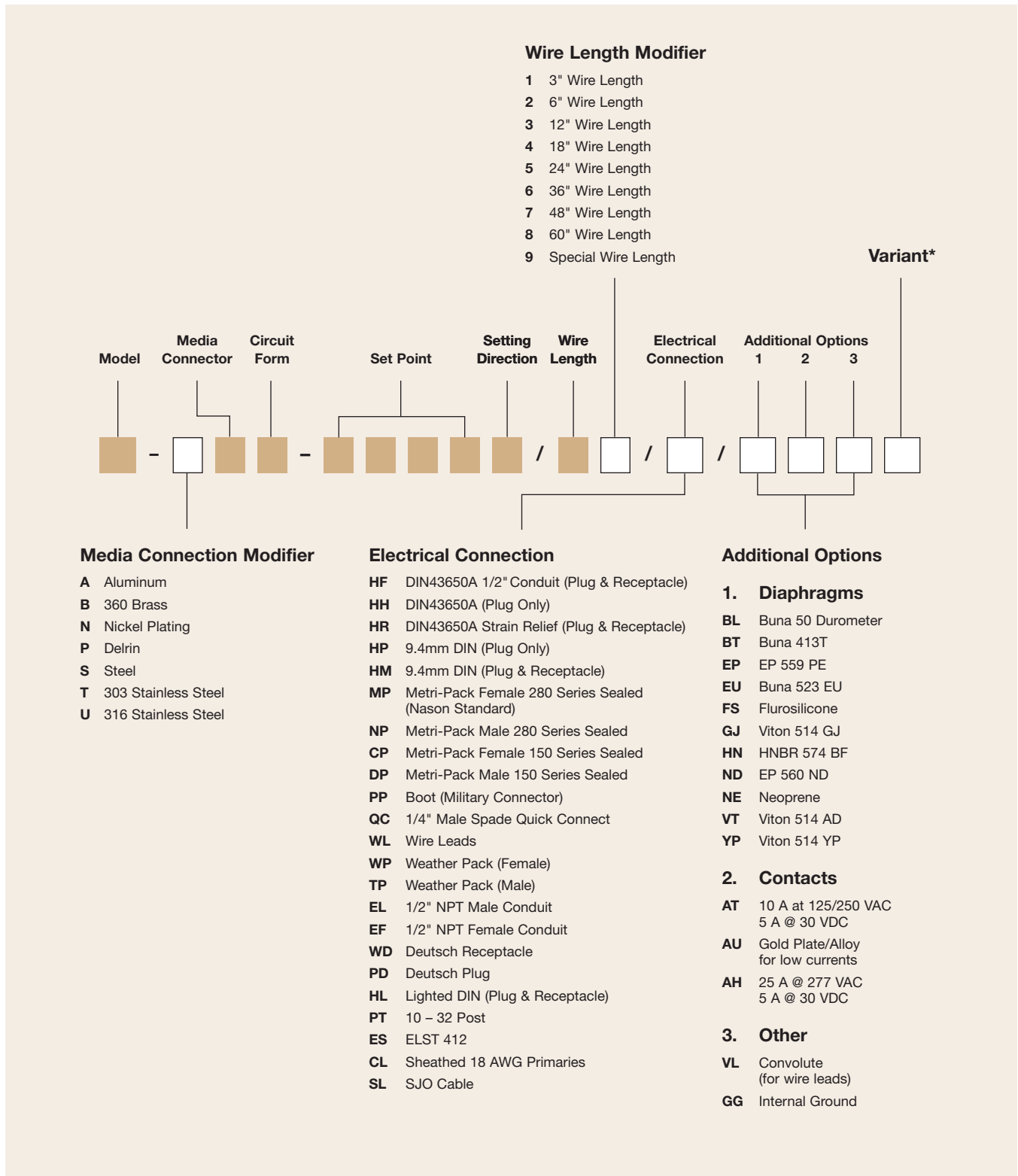
<p>Media Connection</p> <p>1 1/4" NPT Male</p> <p>11 9/16" SAE O-Ring (-6)</p> <p>13 1/2" SAE O-Ring (-5)</p> <p>17 1/4" BSPP Male (G1/4)</p>	<p>Circuit Form</p> <p>A SPST-NO</p> <p>B SPST-NC</p> <p>C SPDT</p>	<p>Adjustment Range</p> <p>1" – 5" Hg (14" – 70" H₂O)</p> <p>4" – 15" Hg (55" – 200" H₂O)</p> <p>10" – 30" Hg (140" – 410" H₂O)</p>	<p>Set Point Direction</p> <p>R Rising</p> <p>F Falling</p> <p>J Rising Adjustable</p> <p>G Falling Adjustable</p>	<p>Electrical Options</p> <p>WL Wire Leads 18"</p> <p>QC 1/4" Spade Connection</p> <p>WP Weather Pack</p> <p>HR DIN43650A Connector</p> <p>MP Metri-Pack</p> <p>AH 25 A @ 277 VAC 5 A @ 30 VDC</p> <p>GG Internal Ground</p> <p>AU Gold Plate/Alloy for low currents</p>
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* Defaults to Screw Terminals

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Pressure / Vacuum Switch Part Number Configuration

Note: Complete **open** boxes only. Shaded boxes should have been previously completed on individual switch pages.



*Note: Variant part number to be assigned by Nason. | Note: Not all options available on all models.

Pressure / Vacuum Switches

Option	Base Thread Size*	SM	MM	LM	CJ	XM	WX	CD	VM	NV	VP
1	1/4 – 18 NPT Male	•	•	•	•	•	•	•	•	•	•
2	1/8 – 27 NPT Male	•	•	•	•	•	•	•	•	•	•
3	3/4 – 16 UNF SAE O-Ring (-5)	•	•		•	•	•	•	•	•	
4	7/16 – 20 37° JIC Flare (-4)			•		•	•				
5	1/4 – 18 NPT Female	•	•			•	•	•			
6	7/16 – 20 SAE O-Ring (-4)	•	•	•		•	•	•		•	•
7	1/4 – 18 NPT Female (Obsolete) See Option 5										
8	1/8 NPT Female	•	•			•	•		•	•	•
9	3/8 – 18 NPT	•	•	•		•	•	•	•		
10	1/4 Female Stainless Steel (Obsolete) See Option 5										
11	9/16 SAE O-Ring (-6)	•	•	•	•	•	•	•	•		•
12	M10 x 1 SAE J2244-3	•	•	•	•	•	•				
13	1/2 – 20 UNF SAE O-Ring (-5)	•	•			•	•		•		•
14	1/2 NPT Male 1/8 NPT Female	•	•							•	
15	7/16 – 20 Female SAE O-Ring (D4)					•	•				
16	7/16 – 20 Female SAE J 514 37 DEG			•		•	•				
17	1/4 BSPP (G1/4)	•	•	•	•	•	•	•	•	•	•
18	7/16 – 20 ADJ					•	•				
19	1/8 BSPT JIS (PT) Taper	•	•	•		•	•				
20	Tri-Clover					•	•				
21	1/4 BSPP Extended (G1/4)	•	•			•	•		•		
22	1/2 – 14 NPT Brass Male (IS Only)										
23	1/4 – 18 NPT SS Female (IS Only)										
24	10/32 INT 3/8 – 24 EXT	•	•								
25	1/4 NPT Plastic (Obsolete) See Option 1										
26	9/16 – 18 Female 37 DEG SAE J 514 (-6)			•		•	•	•			
27	1/2 BSPT – Male (R12)	•	•						•		
28	1/8 BSPP (G1/8)	•	•		•						
29	3/8 – 24 SAE O-Ring (-3)	•	•			•	•				
30	1/4 BSPT (JIS) (R1/4)	•	•					•	•		
31	Flange (NS Only)										
32	M12 – 1.5 Metric	•	•								
33	Extended Flange (NS Only)										
34	7/16 – 20 MS33649 Female* 14 NPTE (Male)					•	•				
35	1/2 – 14 NPT (Male)			•		•	•				
36	9/16 O-Ring Extended Boss (-6)			•		•	•				
37	3/8 – 24 Inverted Flare	•	•	•							
38	9/16 – 12 UNC (SR Only)									•	

*Call Nason at 800.229.4955 if you don't see the media connection that fits your application.

Note: Consult factory for materials and stock.

Pressure / Vacuum Switches

Option	Base Thread Size*	SM	MM	LM	CJ	XM	WX	CD	VM	NV	VP
39	1/4 – 18 NPTF SAE J516 (-4)					•	•				
40	M10X1 SAE J2244-3 (Obsolete) See Option 12										
41	7/16 – 20 Internal 45° Flare – SAE J 513	•	•						•		
42	9/16 – 18 ADJ										
43	M10 x 1 SAE J2244-3 Extended	•	•								
44	1/4 – 18 NPT Female Extended					•	•				
45	9/16 – 18 SAE O-Ring Female (-6)					•	•				
46	1/8 NPT Male Clipped Hex	•	•								
47	1/4 – 19 BSPP Female (G1/4)					•	•				
48	9/16 – 18 SAE Male 1/8 NPT Female										•
49	M14 x 1.5 J2244/3	•	•			•	•				
50	.302 – 32 Female	•	•								
51	M14 x 1.5 (19mm Hex)			•							
52	3/8 – 24 UNF W/ 1/4 BARB	•	•								
53	M12 x 1.5 SAE J2244	•	•	•		•	•				
54	1-1/8 Hex 1/4 NPT					•	•				
55	1/2 BSPP					•	•				
56	M10 x 1 Metric Pipe Thread	•	•			•	•				
57	7/16 – 20 1-1/8 Hex					•	•				
58	9/16 – 18 1-1/8 Hex					•	•				
59	1-11 – 1/2 NPT										
60	1/4 SAE J513 Female Flare Deflator	•	•			•	•		•		
61	9/16 – 18 SAE J514 37 DEG Male					•	•	•			
62	1/4 Deflator										
63	1/2 – 20 Extended	•	•								
64	G3/8 (3/8 – 19 BSPP)	•	•								
65	3/4 – 14NPT										
66	1/4 Tube Plastic	•									
67	9/16 – 18 SAE O-Ring Face Seal			•		•	•				
68	9/16 – 18 SAE O-Ring Face Seal (Female)			•							
69	11/16 – 16 SAE O-Ring Face Seal					•	•	•			
70	M10 x 1.25 Female Flare Deflator	•	•								
71	DX Face Seal Mount										
72	11/16 – 16 SAE O-Ring Face Seal (Female)			•							
73	M18 x 1.5										
74	Special SM/MM Port Seal	•	•								
75	1/8 – 27 Straight with 1/8 Barb								•		
76	M8 x 1 SAE J2244-2	•	•								

*Call Nason at 800.229.4955 if you don't see the media connection that fits your application.

Note: Consult factory for materials and stock.

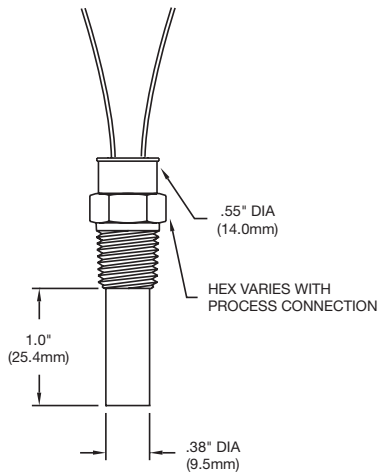


Shown with Deutsch Connector – Electrical Option PD

Features

- Bi-metal immersion temperature switch
- Factory preset temperature
- Direct action contacts/minimum hysteresis
- Gold diffused, fine silver contacts for use in low voltage/low current applications
- Available in a wide range of configurations
- Economical
- NEMA 4, 13

Dimensions



Operating Specifications

Set Point Range	40° – 300°F	(4° – 149°C)
Set Point Tolerance	±5°F	(2.8°C)
Maximum Temperature	325°F	(163°C)
Current Rating	3 A @ 240 VAC	
	2 A @ 24 VDC (Resistive)	
Probe Length	1"	
Media Connection	See Order Chart Below for Options	
Circuit Form	SPST-NO or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Maximum External Pressure	5000 PSI	

How to Order

Example: Part Number: **TT – D3A – 010R / WL** *

TT – D 3 A – 0 1 0 R / WL *

<p>Probe Length</p> <p>D 1/2"</p> <p>E 3/4"</p> <p>F 1"</p> <p>H 1-1/2"</p> <p>J 2"</p>	<p>Media Connection</p> <p>1 1/2" NPT Male</p> <p>2 3/8" NPT Male</p> <p>3 1/4" NPT Male</p> <p>5 3/4" SAE O-Ring (-8)</p> <p>6 M16 x 1.5</p>	<p>Circuit Form</p> <p>A SPST-NO</p> <p>B SPST-NC</p>	<p>Fixed Set Point</p> <p>40°F – 300°F</p>	<p>Set Point Direction</p> <p>R Rising</p> <p>F Falling</p>	<p>Electrical Options</p> <p>WL Wire Leads 6"</p> <p>QC 1/4" Spade Connection</p> <p>WP Weather Pack</p> <p>MP Metri-Pack</p> <p>GG Internal Ground</p>
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* Defaults to Screw Terminals

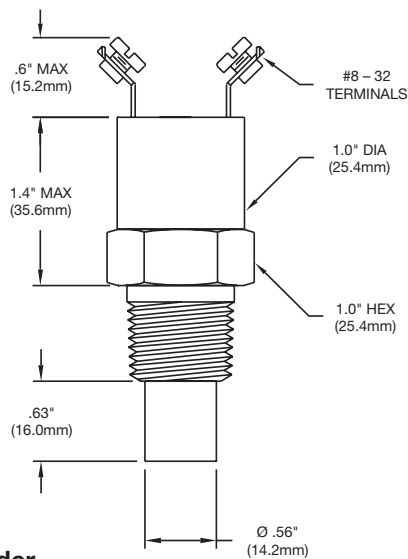
See pages 22-24 for additional options available on this model. For custom designs and technical assistance call 800.229.4955 or visit us at www.nasonptc.com



Features

- Utilizes snap disc approach to sense temperature
- High quality snap action switch
- Factory preset
- Shock and vibration resistant
- Available in a wide range of configurations
- Economical
- NEMA 4, 13

Dimensions



How to Order

Example: Part Number: **TD - 1C - 175R / WP**

<p>TD - 1 C - 1 7 5 R / WP *</p>			
<p>Media Connection</p> <p>1 1/2" NPT Male 2 3/8" NPT Male 5 3/4" SAE O-Ring (-8)</p>	<p>Circuit Form</p> <p>A SPST-NO B SPST-NC C SPDT</p>	<p>Fixed Set Point</p> <p>150°F - 300°F</p>	<p>Set Point Direction</p> <p>R Rising F Falling</p>
<p>Electrical Options</p> <p>QC 1/4" Spade Connection WL Wire Leads 18" WP Weather Pack HR DIN43650A Connector MP Metri-Pack WD Deutsch AT 10 A @ 125/250 VAC 5 A @ 30 VDC GG Internal Ground AU Gold Plate/Alloy for low currents</p>			
<p>* Defaults to Screw Terminals</p>			

Operating Specifications

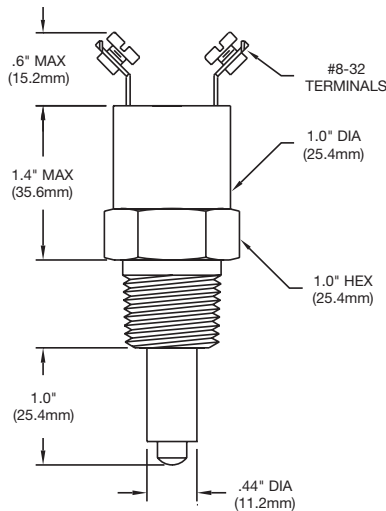
Set Point Range	150° - 300°F	(65° - 149°C)
Set Point Tolerance	±5°F	(2.8°C)
Maximum Temperature	325°F	(163°C)
Differential	8 - 16°F	
Current Rating	5 A @ 250 VAC	
	5 A @ 30 VDC (Resistive)	
Media Connection	See Order Chart Below for Options	
Circuit Form	SPST-NO or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Maximum External Pressure	2500 PSI	



Features

- Utilizes bellows mechanism to sense temperature
- High quality snap action switch
- Factory preset
- Shock and vibration resistant
- Available in a wide range of configurations
- NEMA 4, 13

Dimensions



Operating Specifications

Set Point Range	40° – 300°F (4° – 149°C)
Set Point Tolerance	±5°F (2.8°C)
Maximum Temperature	100°F above set point (325°F max)
Differential	8 – 16°F
Current Rating	5 A @ 250 VAC 5 A @ 30 VDC (Resistive)
Media Connection	See Order Chart Below for Options
Circuit Form	SPST-NO or SPST-NC
Electrical Connection	See Order Chart Below for Options
Maximum External Pressure	500 PSI

How to Order

Example: Part Number: **TM – 6A – 120R / WL**

TM – 6 A – 1 2 0 R / WL *

<p>Media Connection</p> <ul style="list-style-type: none"> 1 1/2" NPT Male 2 3/8" NPT Male 6 M16 x 1.5 7 1/2" BSPP Male (G1/2) 	<p>Circuit Form</p> <ul style="list-style-type: none"> A SPST-NO B SPST-NC C SPDT 	<p>Fixed Set Point</p> <p>40°F – 300°F</p>	<p>Set Point Direction</p> <ul style="list-style-type: none"> R Rising F Falling 	<p>Electrical Options</p> <ul style="list-style-type: none"> WL Wire Leads 18" QC 1/4" Spade Connection WP Weather Pack HR DIN43650A Connector MP Metri-Pack AT 10 A @ 125/250 VAC 5 A @ 30 VDC GG Internal Ground AU Gold Plate/Alloy for low currents
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* Defaults to Screw Terminals

See pages 22-24 for additional options available on this model. For custom designs and technical assistance call 800.229.4955 or visit us at www.nasonptc.com

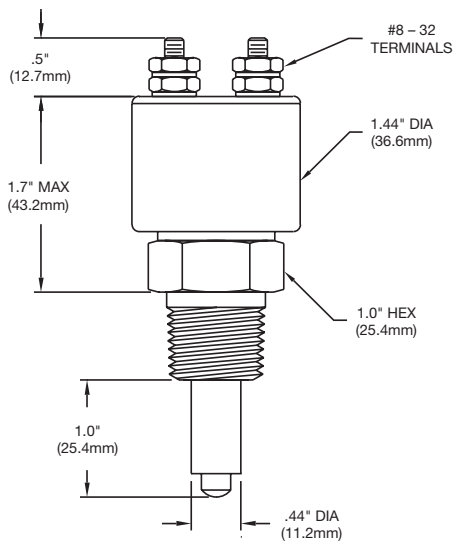


Shown with Wire Leads – Electrical Option WL

Features

- Utilizes bellows mechanism to sense temperature
- High quality snap action switch
- Factory preset
- Shock and vibration resistant
- Available in a wide range of configurations
- NEMA 4, 13

Dimensions



Operating Specifications

Set Point Range	40° – 300°F	(4° – 149°C)
Set Point Tolerance	±5°F	(2.8°C)
Maximum Temperature	100°F above set point (325°F max)	
Differential	8 – 16°F	
Current Rating	10 A @ 125/250 VAC	
	5 A @ 30 VDC	
Media Connection	See Order Chart Below for Options	
Circuit Form	SPST-NO or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Maximum External Pressure	500 PSI	

How to Order

Example: Part Number: HT – 2A – 100R / *

<p>HT – 2 A – 1 0 0 R / *</p>				
<p>Media Connection</p> <ul style="list-style-type: none"> 1 1/2" NPT Male 2 3/8" NPT Male 6 M16 x 1.5 7 1/2" BSPP Male (G1/2) 	<p>Circuit Form</p> <ul style="list-style-type: none"> A SPST-NO B SPST-NC C SPDT 	<p>Fixed Set Point</p> <p>40°F – 300°F</p>	<p>Set Point Direction</p> <ul style="list-style-type: none"> R Rising F Falling 	<p>Electrical Options</p> <ul style="list-style-type: none"> WL Wire Leads 18" QC 1/4" Spade Connection WP Weather Pack HR DIN43650A Connector MP Metri-Pack AH 25 A @ 277 VAC 5 A @ 30 VDC GG Internal Ground AU Gold Plate/Alloy for low currents
<p>* Defaults to Screw Terminals</p>				

See pages 22-24 for additional options available on this model. For custom designs and technical assistance call 800.229.4955 or visit us at www.nasonptc.com

Temperature Switches

Option	Base Thread Size*	TD	TM/HT	TT Model Probe Code					
				D 1/2" Probe	E 3/4" Probe	F 1" Probe	G 1-1/4" Probe	H 1-1/2" Probe	J 2" Probe
1	1/2 NPT Male	•	•	•	•	•	•	•	•
2	3/8 NPT Male	•	•	•	•	•		•	•
3	1/4 NPT Male			•	•	•		•	•
4	3/8 NPT (1PC)		•						
5	3/4 – 16 SAE O-Ring (-8)	•	•	•	•	•		•	•
6	M16 x 1.5		•	•		•			•
7	1/2 BSPP	•	•		•				
8	1/2 NPT (1PC)		•						
9	3/8 NPT (Short)		•						
10	M14 x 1.5 (Nickel Plated)				•				
11	M14 x 1.5				•	•			
12	1/2 NPT (Nickel Plated)		•				•		
13	1/4 NPT (316SS)			•		•			
14	1/2 BSPP Extended		•						
15	3/4 – 16 SAE O-Ring (-8) Short		•						
16	3/8 – 19 BSPT/JIS	•	•	•					
17	M18 x 1.5 SAE J2244	•	•	•	•	•			
18	1/4 NPT (Nickel Plated)			•	•				
19	1/2 NPT (316SS-1PC)		•			•			
20	1/2 NPT (Very Short)		•						
21	3/8 NPT (Very Short)		•						
22	M16 x 1.5 (Flare)				•				
23	1/2 BSPT (R1/2)		•						
24	1/2 NPT (316SS)					•			
25	3/8 NPT (Nickel Plated) 1PC		•						

*Call Nason at 800.229.4955 if you don't see the media connection that fits your application.

Note: Consult factory for materials and stock.

Temperature Switches

Option	Base Thread Size*	TD	TM/HT	TT Model Probe Code					
				D 1/2" Probe	E 3/4" Probe	F 1" Probe	G 1-1/4" Probe	H 1-1/2" Probe	J 2" Probe
26	M14 x 1.5 SAE J2244			•	•	•			
27	M22 x 1.5 SAE J2244	•				•			
28	1/4 – 19 BSPT				•				
29	3/8 – 19 BSPP				•			•	
30	3/8 NPT (316SS)			•	•	•			
31	3/4 – 16 UNF (304)SS		•						
32	M16 x 1.5 (SAE)								
33	5/8 – 18 SAEJ 513			•	•				
34	1/2 NPT (Short)		•						
35	M12 x 1.5			•		•			
36	3/4 – 16 SAE O-Ring (Nickel Plated)								
37	M14 x 1.5 Taper Thread								
38	9/16 SAE-6 J514								
39	M16 x 2.0			•					
40	1/2 – 20 UNF								
41	3/8 – 24 SAE			•					
42	1/8 NPT			•		•			
43	1/4 – 19 BSPP					•			
44	M16 x 1.5 303 SS					•			
45	1/2 BSPP 303 SS	•							
46	M14 x 1.25					•			
47	M16 x 1.5 45° Flare			•		•			
48	7/16 – 20 SAE O-Ring			•		•			
49	3/4 – 16 UNF Straight (Washer Sealed)			•					

*Call Nason at **800.229.4955** if you don't see the media connection that fits your application.

Note: Consult factory for materials and stock.

Temperature Switch Part Number Configuration

Note: Complete **open** boxes only. Shaded boxes should have been previously completed on individual switch pages.

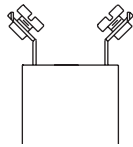
The diagram illustrates the part number configuration structure for a temperature switch. It consists of several fields represented by boxes and lines indicating their sequence and relationships in a part number string. The fields are: Model, Probe Length, Media Connector, Circuit Form, Set Point, Setting Direction, Wire Length Settings, Electrical Connection, and Additional Options (1, 2, 3). A Variant* field is also shown at the end. The diagram shows how these fields are combined into a single part number string using hyphens and slashes.

Wire Length Settings	Electrical Connection	Additional Options	Variant*
1 3" Wire Length	HF DIN43650A 1/2" Conduit (Plug & Receptacle)	1. Contacts	
2 6" Wire Length	HH DIN43650A (Plug Only)	AT 10 A at 125/250 VAC 5 A @ 30 VDC	
3 12" Wire Length	HR DIN43650A Strain Relief (Plug & Receptacle)	AU Gold Plate/Alloy for low currents	
4 18" Wire Length	HP 9.4mm DIN (Plug Only)	AH 25 A @ 277 VAC 5 A @ 30 VDC	
5 24" Wire Length	HM 9.4mm DIN (Plug & Receptacle)	2. Ground	
6 36" Wire Length	MP Metri-Pack Female 280 Series Sealed (Nason Standard)	GG Internal Ground	
7 48" Wire Length	NP Metri-Pack Male 280 Series Sealed	3. Other	
8 60" Wire Length	CP Metri-Pack Female 150 Series Sealed	VL Convolute (for wire leads)	
9 Special Wire Length	DP Metri-Pack Male 150 Series Sealed		
	PP Boot (Military Connector)		
	QC 1/4" Male Spade Quick Connect		
	WL Wire Leads		
	WP Weather Pack (Female)		
	TP Weather Pack (Male)		
	EL 1/2" NPT Male Conduit		
	EF 1/2" NPT Female Conduit		
	WD Deutsch Receptacle		
	PD Deutsch Plug		
	HL Lighted DIN (Plug & Receptacle)		
	PT 10 - 32 Post		
	ES ELST 412		
	CL Sheathed 18 AWG Primaries		
	SL SJO Cable		

*Note: Variant part number to be assigned by Nason. | Note: Not all options available on all models.

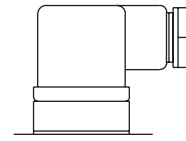
Screw Terminals

#8 – 32
Rated IP 00



HR Complete DIN

DIN 43650 – A Type
Plug and Receptacle Included
Rated IP 65

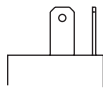


CABLE CLAMP FOR .18" (4.5mm) THRU .28" (7mm) DIA CABLE

PIN ASSIGNMENTS: #1 COMMON #2 NORMALLY CLOSED #3 NORMALLY OPEN #4 NOT USED

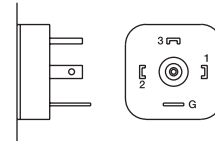
QC Quick Connects

1/4" Male Spades
Rated IP 00



HH Male DIN

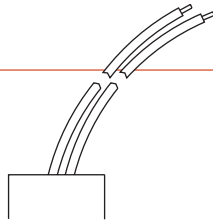
DIN 43650 – A Type
Plug Only
Rated IP 65



PIN ASSIGNMENTS: #1 COMMON #2 NORMALLY CLOSED #3 NORMALLY OPEN #4 NOT USED

WL* Wire Leads

18 AWG Wire, 18" Long
Rated IP 65



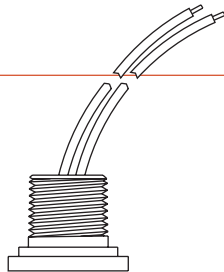
WP Weather Pack**

Female "Tower" Type
18 AWG Wire
6" Complete Length
Rated IP 65



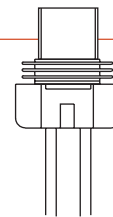
EL* Male Conduit

1/2" – 14 NPT Male Connection
Includes WL Option
Rated IP 65



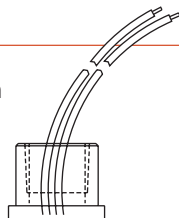
MP Metri-Pack**

Female 280 Series
18 AWG Wire
6" Complete Length
Rated IP 65



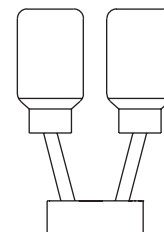
EF* Female Conduit

1/2" – 14 NPT Female Connection
Includes WL Option
Rated IP 65



PP Waterproof Mil Connector

MS 27142 Style
16 AWG Wire
Rated IP 66



* Color Code: **Black** – Common **Red** – Normally Open **Blue** – Normally Closed

** Pin Assignments (C Circuit): **A** – Normally Open **B** – Common **C** – Normally Closed

DIAPHRAGM COMPATIBILITY

Media	Buna	EP	Viton
Acetic Acid		•	
Acetone		•	
Acetylene	•		
Air	•		
Alcohols	•		
Alkalies (Weak)	•		
Alkalies (Strong)		•	
Ammonia (Anhydrous)	•		
Ammonia (Hydroxide)		•	
Asphalt			•
Automotive Oils	•		
Beer	•		
Benzene			•
Boric Acid	•		
Brake Fluid		•	
Bunker Oil	•		
Butane	•		
Butyl Cellosolve		•	
Carbon Dioxide	•		
Carbon Monoxide	•		
Cellube		•	
Chlorobenzene			•
Citric Acid	•		
Coke Oven Gas			•
Coolanol	•		
Diesel Fuels	•		
Di-Ester Lube (MIL-L-7808)			•
Dowtherm A&E		•	
Ethanol	•		
Ether		•	
Ethylene	•		
Ethylene Glycol	•		
Freon 11, 12, 112, 114	•		
Freon 22		•	
Fyrquel		•	
Fuel Oil	•		
Gasoline	•		
Glycerin	•		
Helium	•		
Hexane	•		

Media	Buna	EP	Viton
Hydraulic Oil (PET Base)	•		
Hydrocarbons	•		
Hydrogen	•		
Hydrogen Sulphide		•	
Isopropanol		•	
JP-3-6	•		
Kerosene	•		
LPG	•		
Lube Oil (PET base)	•		
Methanol	•		
MEK		•	
Mineral Oil	•		
Motor Oils	•		
Naptha		•	
Natural Gas	•		
Nitric Acid		•	
Nitrogen	•		
Oleum Spirits			•
Oxygen	•		
Ozone		•	
Crude Oil	•		
Phosphoric Acid			•
Propane	•		
Propanol	•		
Pydral (135.150.A200.312.AC.F-9&625)			
Shell Iris 902	•		
Silicone Greases	•		
Silicone Oils	•		
Skydrol 500 & 7000		•	
Soap Solutions	•		
Steam below 320°F		•	
Stoddard Solvent	•		
Sulfuric Acid			•
Tolulene			•
Transmission Fluid A	•		
Trisodium Phosphate	•		
Turpentine	•	•	
Water to 220°F (104°C)	•		
Water to 302°F (150°C)		•	

Note: Other diaphragm materials are available. Consult factory for stock.

Temperature Conversions

Formula °C = 5/9 (°F - 32°) °F = (9/5 °C) +32°

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
40	104.0	62	143.6	84	183.2	106	222.8	128	262.4
41	105.8	63	145.4	85	185.0	107	224.6	129	264.2
42	107.6	64	147.2	86	186.8	108	226.4	130	266.0
43	109.4	65	149.0	87	188.6	109	228.2	131	267.8
44	111.2	66	150.8	88	190.4	110	230.0	132	269.6
45	113.0	67	152.6	89	192.2	111	231.8	133	271.4
46	114.8	68	154.4	90	194.0	112	233.6	134	273.2
47	116.6	69	156.2	91	195.8	113	235.4	135	275.0
48	118.4	70	158.0	92	197.6	114	237.2	136	276.8
49	120.2	71	159.8	93	199.4	115	239.0	137	278.6
50	122.0	72	161.6	94	201.2	116	240.8	138	280.4
51	123.8	73	163.4	95	203.0	117	242.6	139	282.2
52	125.6	74	165.2	96	204.8	118	244.4	140	284.0
53	127.4	75	167.0	97	206.6	119	246.2	141	285.8
54	129.2	76	168.8	98	208.4	120	248.0	142	287.6
55	131.0	77	170.6	99	210.2	121	249.8	143	289.4
56	132.8	78	172.4	100	212.0	122	251.6	144	291.2
57	134.6	79	174.2	101	213.8	123	253.4	145	293.0
58	136.4	80	176.0	102	215.6	124	255.2	146	294.8
59	138.2	81	177.8	103	217.4	125	257.0	147	296.6
60	140.0	82	179.6	104	219.2	126	258.8	148	298.4
61	141.8	83	181.4	105	221.0	127	260.6	149	300.2

Pressure Conversion Formulas

Into > Multiply by To Convert	PSI	H ₂ O (15°C)	mmHg (0°C)	"Hg (0°C)	Millibar	Bar	Kg/Cm ²	kPa
PSI	•	27.70	51.71	2.036	68.95	0.06895	0.07031	6.895
"H ₂ O (15°C)	0.03609	•	1.867	0.07349	2.489	0.002489	0.002538	0.249
mmHg (0°C)	0.01934	0.5357	•	0.03937	1.3333	0.0013333	0.0013596	0.113
"Hg (0°C)	0.4912	13.61	25.40	•	33.86	0.03386	0.03453	3.386
Millibar	0.0145	0.4018	0.750062	0.02953	•	0.001	0.0010197	0.09998
Bar	14.50	401.8	750.062	29.53	1000	•	1.0197	99.98
Kg/Cm ²	14.22	394.05	735.559	28.96	980.7	0.9807	•	98.05
kPa	0.145	4.016	7.519	0.2953	10.002	0.010	0.0102	•

Pressure / Vacuum Switches

So we can better meet your application needs, please take a moment to fill out this operation specifications form. Nason will provide a sample to your specifications.

1 Maximum Operating Pressure _____

2 Media _____

3 Set Point: Rising _____ Falling _____
 Rising Adjustable _____ Falling Adjustable _____

4 Circuit Form: SPST-NO SPST-NC SPDT

5 Differential _____

6 Circuit: Electrical AC _____ V DC _____ V
 Load (Amps) _____ Resistive Inductive Inrush _____

7 Media Connection _____

8 Electrical Connection _____

9 Temperature: Media _____ °F Ambient _____ °F

10 Cycles: _____ per hour Other (describe) _____

11 Other Special Requirements (attach separate sheet if necessary) _____

12 System: New Design Redesign

13 Application: What will switch control? (Attach circuit diagrams if available) _____

14 Prototype(s) Required by (Date) _____

15 Estimated Annual Usage _____ Target Net Price _____

Firm _____

Address _____

Project Number or Name _____

Name & Title _____ Phone _____

Email Address _____

Temperature Switches

So we can better meet your application needs, please take a moment to fill out this operation specifications form. Nason will provide a sample to your specifications.

1 Media _____

2 Set Point: Rising _____ (°F or °C) Falling _____ (°F or °C)

3 Differential: Yes No

4 Circuit Form: SPST-NO SPST-NC SPDT

4 Circuit: Electrical AC _____ V DC _____ V
 Load (Amps) _____ Resistive Inductive Inrush _____

5 Pressure: System (Normal) _____ (Maximum) _____

6 Temperature: System (Normal) _____ (Maximum) _____ (Minimum) _____

Ambient (Normal) _____ (Maximum) _____ (Minimum) _____

7 Media Connection _____

8 Electrical Connection _____

9 Cycles: _____ per hour Other (describe) _____

10 Other Special Requirements (attach separate sheet if necessary) _____

11 System: New Design Redesign

12 Application: What will switch control? (Attach circuit diagrams if available) _____

13 Prototype(s) Required by (Date) _____

14 Estimated Annual Usage _____ Target Net Price _____

Firm _____

Address _____

Project Number or Name _____

Name & Title _____ Phone _____

Email Address _____

Glossary of Terms

Snap Action Switches

Nason uses only the highest quality snap action electrical switches which insures a positive, instantaneous electrical contact under all operating conditions. Nason electrical switches are UL, CSA and military listed.

Diaphragms

Nason pressure switches incorporate elastomeric diaphragms to provide a positive media seal. Nitrile is the material of choice for most applications. Ethylene propylene, fluorocarbon, fluorosilicon, and neoprene are readily available for specific applications.

Differential

A distinct change in pressure (or temperature for temperature switches) is necessary to reset a Nason snap action switch to its original electrical state. This feature prevents "searching" and maximizes switch and system life. Catalog ranges are typical mid range and can be varied with special construction.

Electrical Connections

A wide variety of electrical connectors are readily available for most applications. Screw terminals, wire leads, blades, studs, conduit, automotive DIN and military connectors are stock items.

Media Connections

Nason's offering of media connections is unmatched in the industry. NPT, BSP, SAE, JIS, DIN, MS and many others are readily available.

Electrical Circuits

A unique variety of electrical contact arrangements allows the system designer to achieve complex logic at minimal cost. Contact arrangements up to form ZZ and isolated dual set points are available.

Electrical Rating

Most Nason switches are available in a nominal 5 or 10 AMP rating. Gold plated contacts for low current and 25 AMP ratings are also available.

Life

The operational life of a Nason switch is normally in excess of one million cycles. Operating life depends on many variables, and specific tests should be run if marginal conditions exist.

Application

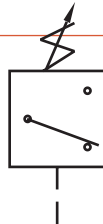
Nason switches are used successfully in a great variety of pneumatic and hydraulic applications. Military vehicles and equipment, aviation, marine, machine tools, farm and construction equipment, process equipment, medical equipment and industrial machinery are typical applications.

Customization

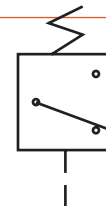
Nason has the experience and willingness to customize any switch to meet specific application requirements. Special media connections, electrical connections, circuitry and construction materials can be designed and produced as needed.

Circuitry

Adjustable Pressure Switch
Component Symbol



Fixed Pressure Switch
Component Symbol



**THERE'S MORE TO NASON
THAN MEETS THE EYE.**

By the time you see our new catalog, it might already be out of date. That's because we're constantly developing new models, many based on special requests from our customers. So just because you don't see what you're looking for, doesn't mean that we don't make it. Our ability to customize our switches to meet your exact needs is what "New Thinking" is all about.

So, for the latest information on Nason switches, please visit our website. You'll find all our newest designs as well as our "vintage" switch products, not included in this catalog. You'll also find information about Nason's participation at industry trade shows.

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