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NASON

Application Information

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.

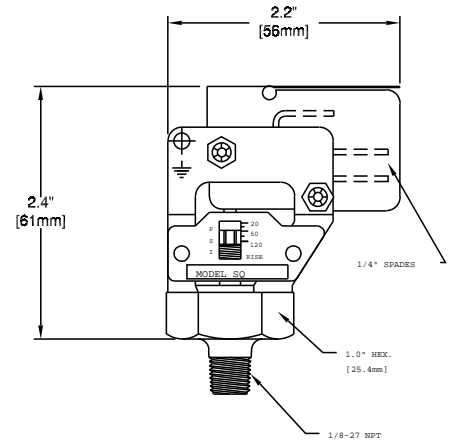
Customization

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.

NASON

MODEL SQ

- FINGER TIP ADJUSTMENT
- VISUAL CALIBRATION
- SNAP ACTION SWITCH
- VERSATILE
- ECONOMICAL



STANDARD SPECIFICATIONS

Set Point Range:	2-120
Set Point Tolerance:	± 1 PSI OR 5%
Maximum Operating Pressure:	250 PSI
Proof Pressure:	750 PSI
Differential:	10-20%
Current Rating:	10 AMP
Media Connection:	1/8" NPT MALE BRASS
Circuit Form:	SPDT
Electrical Connection:	1/4" BLADES
Diaphragm Material:	BUNA N

LOW PRESSURE SWITCHES AVAILABLE IN THE FOLLOWING THREE STOCKED MODELS

<h2>SQ-1</h2> <p>Adjustment Range 2-10 PSI</p>	<h2>SQ-2</h2> <p>Adjustment Range 6-30 PSI</p>	<h2>SQ-3</h2> <p>Adjustment Range 20-120 PSI</p>
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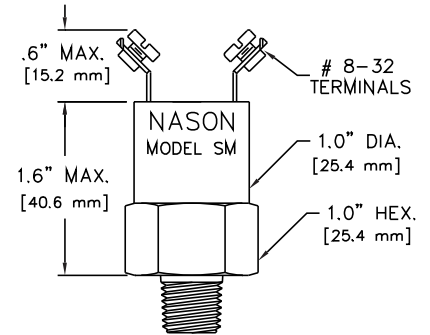
MODEL SM



- SNAP ACTION SWITCH
- FACTORY PRESET
- NEMA 4, 13

OPTIONS

- 10 AMP CONTACT
- GOLD CONTACT FOR LOW CURRENT APPLICATION
- WIDE RANGE OF DIAPHRAGM MATERIALS



STANDARD 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 AMP	
Media Connection:	1/8" NPT MALE BRASS	
Circuit Form:	SPST-NO or SPST-NC	
Electrical Connection:	8-32 SCREW TERMINALS	
Diaphragm Material:	BUNA N	

OPTIONAL SPECIFICATIONS

Example - how to order: **SM- 2 A - 9 5 R / W L**

SM- - /

MEDIA CONNECTION

- 1- 1/4" NPT MALE
- 2- 1/8" NPT MALE
- 6- 7/16" - 20 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")

FIXED SET POINT

2 - 120 PSI

CIRCUIT FORM

- A - SPST-NO
- B - SPST-NCB
- C - SPDT

SETTING DIRECTION

- R - RISING
- F - FALLING

ELECTRICAL OPTIONS

- WL- WIRE LEADS 18"
- QC- 1/4" SPADE CONNECTION
- WP- WEATHER PACK
- HR- DIN43650A CONNECTOR
- MP- METRI-PACK
- AT - 10 AMP
- GG - INTERNAL GROUND
- AU - GOLD CONTACTS

NASON

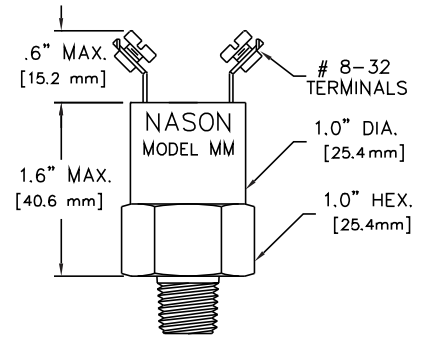
MODEL MM



- SNAP ACTION SWITCH
- FACTORY PRESET
- NEMA 4,13

OPTIONS

- 10 AMP CONTACT
- GOLD CONTACT FOR LOW CURRENT APPLICATION
- WIDE RANGE OF DIAPHRAGM MATERIALS



STANDARD 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 AMP	
Media Connection:	1/8" NPT MALE BRASS	
Circuit Form:	SPST-NO or SPST-NC	
Electrical Connection:	8-32 SCREW TERMINALS	
Diaphragm Material:	BUNA N	

OPTIONAL SPECIFICATIONS

Example - how to order: **MM- 6 A - 8 0 R / W L**

MM- - /

MEDIA CONNECTION

- 1- 1/4" NPT MALE
- 2- 1/8" NPT MALE
- 6- 7/16" - 20 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")

FIXED SET POINT

2 - 120 PSI

CIRCUIT FORM

- A - SPST-NO
- B - SPST-NC
- C - SPDT

SETTING DIRECTION

- R - RISING
- F - FALLING

ELECTRICAL OPTIONS

- WL- WIRE LEADS 18"
- QC- 1/4" SPADE CONNECTION
- WP- WEATHER PACK
- HR- DIN43650A CONNECTOR
- MP- METRI-PACK
- AT - 10 AMP
- GG - INTERNAL GROUND
- AU - GOLD CONTACTS

NASON

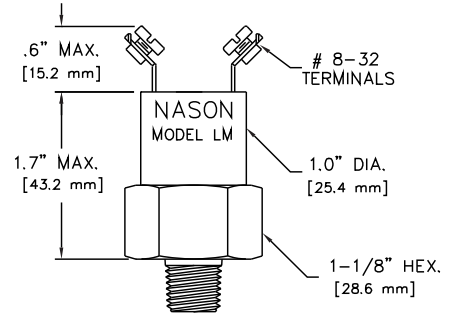
MODEL LM



- SNAP ACTION SWITCH
- FACTORY PRESET
- NEMA 4,13

OPTIONS

- 10 AMP CONTACT
- GOLD CONTACT FOR LOW CURRENT APPLICATION
- WIDE RANGE OF DIAPHRAGM MATERIALS



STANDARD 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 AMP	
Media Connection:	1/8" NPT MALE BRASS	
Circuit Form:	SPST-NO or SPST-NC	
Electrical Connection:	8-32 SCREW TERMINALS	
Diaphragm Material:	BUNA N	

OPTIONAL SPECIFICATIONS

Example - how to order: **LM- 6 A - 2 5 0 R / W L**

LM- - /

MEDIA CONNECTION

- 1- 1/4" NPT MALE
- 2- 1/8" NPT MALE
- 6- 7/16" - 20 SAE O-RING (- 4)

FIXED SET POINT

10-300 PSI

CIRCUIT FORM

- A - SPST-NO
- B - SPST-NC
- C - SPDT

SETTING DIRECTION

- R - RISING
- F - FALLING

ELECTRICAL OPTIONS

- WL- WIRE LEADS 18"
- QC- 1/4" SPADE CONNECTION
- WP- WEATHER PACK
- HR- DIN43650A CONNECTOR
- MP- METRI-PACK
- AT - 10 AMP
- GG - INTERNAL GROUND
- AU - GOLD CONTACTS

NASON

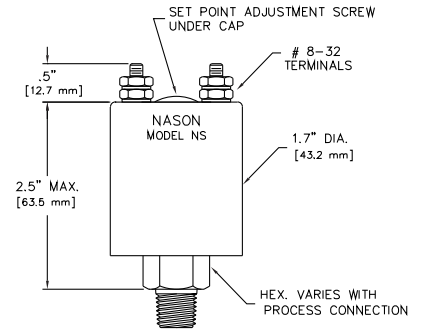
MODEL NS (formerly NSM)



- SNAP ACTION SWITCH
- FACTORY PRESET/FIELD ADJUSTABLE
- NEMA 4, 13

OPTIONS

- 10 AMP CONTACT
- GOLD CONTACT FOR LOW CURRENT APPLICATIONS
- WIDE RANGE OF DIAPHRAGM MATERIALS



STANDARD SPECIFICATIONS

Set Point Range:	2 - 100 PSI	(.13 - 6.9 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 AMP	
Media Connection:	1/4" NPT MALE ZINC	
Circuit Form:	SPST-NO or SPST-NC	
Electrical Connection:	8-32 SCREW TERMINALS	
Diaphragm Material:	BUNA N	

OPTIONAL SPECIFICATIONS

Example - how to order: **NS- 1 A - 3 5 R / WL**

NS- - /

MEDIA CONNECTION

- 1- 1/4" NPT MALE ZINC
- 2- 1/8" NPT MALE ZINC
- 6- 7/16"-20 SAE O-RING (-4) BRASS
- 14- 1/2" NPT MALE-1/8" NPT FEMALE BRASS
- 17- 1/4" BSPP MALE (G 1/4") BRASS
- 25- 1/4" NPT MALE NYLON

ADJUSTMENT RANGES

- 1.5 - 5 PSI
- 6 - 15 PSI
- 16 - 40 PSI
- 41 - 100 PSI

CIRCUIT FORM

- A - SPST-NO
- B - SP ST-NC
- C - SPDT

SETTING DIRECTION

- R - RISING
- F - FALLING
- J - RISING ADJUSTABLE
- G - FALLING ADJUSTABLE

ELECTRICAL OPTIONS

- WL- WIRE LEADS 18"
- QC- 1/4" SPADE CONNECTION
- WP- WEATHER PACK
- HR- DIN43650A CONNECTOR
- MP- METRI-PACK
- AT - 10 AMP
- GG - INTERNAL GROUND
- AU - GOLD CONTACTS

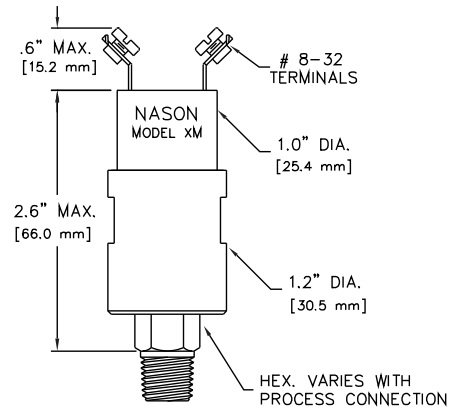
NASON

MODEL XM (formerly SMX)

- SNAP ACTION SWITCH
- FACTORY PRESET
- NEMA 4,13

OPTIONS

- 10 AMP CONTACT
- GOLD CONTACT FOR LOW CURRENT APPLICATION
- WIDE RANGE OF DIAPHRAGM MATERIALS



HIGH PRESSURE SWITCHES

STANDARD 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 AMP	
Media Connection:	1/4" NPT MALE STEEL	
Circuit Form:	SPST-NO or SPST-NC	
Electrical Connection:	8-32 SCREW TERMINALS	
Diaphragm Material:	BUNA N	

OPTIONAL SPECIFICATIONS

Example - how to order: **XM-1A-1500R/**

XM- - /

MEDIA CONNECTION

- 1- 1/4" NPT MALE
- 2- 1/8" NPT MALE
- 4- 7/16"-20 SAE 37° FLARE (-4)
- 6- 7/16"-20 SAE O-RING (-4)
- 11- 9/16"-18 SAE O-RING (-6)

FIXED SET POINT

40-4000 PSI

CIRCUIT FORM

- A - SPST-NO
- B - SPST-NC
- C - SPDT

SETTING DIRECTION

- R - RISING
- F - FALLING

ELECTRICAL OPTIONS

- WL- WIRE LEADS 18"
- QC- 1/4" SPADE CONNECTION
- WP- WEATHER PACK
- HR- DIN43650A CONNECTOR
- MP- METRI-PACK
- AT - 10 AMP
- GG - INTERNAL GROUND
- AU - GOLD CONTACTS

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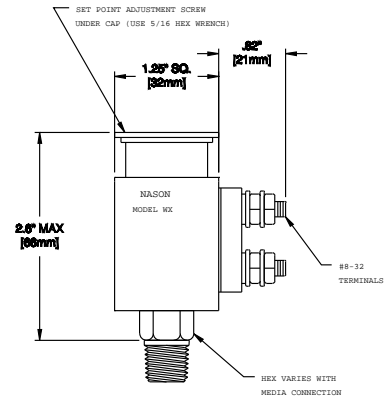
MODEL WX (formerly WS/WL)



- SNAP ACTION SWITCH
- FACTORY PRESET/FIELD ADJUSTABLE

OPTIONS

- 10 AMP CONTACT
- GOLD CONTACT FOR LOW CURRENT APPLICATION
- WIDE VARIETY OF DIAPHRAGM MATERIALS
- NEMA 4, 13



STANDARD 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 AMP	
Media Connection:	1/4" NPT MALE STEEL	
Circuit Form:	SPST-NO or SPST-NC	
Electrical Connection:	8-32 SCREW TERMINALS	
Diaphragm Material:	BUNA N	

OPTIONAL SPECIFICATIONS

Example - how to order: **WX-2A-0100R/EL**

WX- - /

MEDIA CONNECTION

- 1-1/4" NPT MALE
- 2-1/8" NPT MALE
- 4-7/16"-20 SAE 37° FLARE (-4)
- 6-7/16"-20 SAE O-RING (-4)
- 11-9/16"-18 SAE O-RING (-6)

ADJUSTMENT RANGES

- 50-150 PSI
- 140-400 PSI
- 300-800 PSI
- 700-2500 PSI
- 2000-5000 PSI

CIRCUIT FORM

- A - SPST-NO
- B - SPST-NC
- C - SPDT

SETTING DIRECTION

- R - RISING J - RISING ADJUSTABLE
- F - FALLING G - FALLING ADJUSTABLE

ELECTRICAL OPTIONS

- WL- WIRE LEADS 18"
- QC- 1/4" SPADE CONNECTION
- WP- WEATHER PACK
- HR- DIN43650A CONNECTOR
- MP- METRI-PACK
- AT - 10 AMP
- GG - INTERNAL GROUND
- AU - GOLD CONTACTS

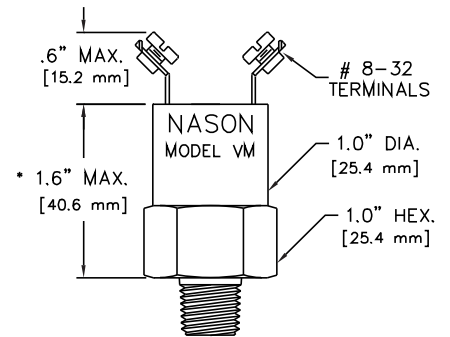
NASON

MODEL VM (formerly SMV)

- SNAP ACTION SWITCH
- FACTORY PRESET
- NEMA 4, 13

OPTIONS

- 10 AMP CONTACT
- GOLD CONTACT FOR LOW CURRENT APPLICATION
- WIDE RANGE OF DIAPHRAGM MATERIALS



* 2.16" [54.9 mm] For 1/8 pipe connections

STANDARD SPECIFICATIONS

Set Point Range:	4" - 30" Hg	(102mm - 762mm Hg)
Set Point Tolerance:	±1" Hg OR 5%	(25mm Hg)
Maximum Operating Pressure:	250 PSI	(17 BAR)
Current Rating:	5 AMP	
Differential:	20-40%	
Media Connection:	1/4" NPT MALE BRASS	
Circuit Form:	SPST-NO or SPST-NC	
Electrical Connection:	8-32 SCREW TERMINALS	
Diaphragm Material:	BUNA N	

OPTIONAL SPECIFICATIONS

Example - how to order: VM-11A-10R/WP

VM--/

MEDIA CONNECTION

- 1- 1/4" NPT MALE
- 2- 1/8" NPT MALE
- 11- 9/16" SAE O-RING (-6)
- 17- 1/4" BSPP MALE (G1/4")

FIXED SET POINT

4" - 30" HG

CIRCUIT FORM

- A - SPST-NO
- B - SPST-NC
- C - SPDT

SETTING DIRECTION

- R - RISING
- F - FALLING

ELECTRICAL OPTIONS

- WL- WIRE LEADS 18"
- QC- 1/4" SPADE CONNECTION
- WP- WEATHER PACK
- HR- DIN43650A CONNECTOR
- MP- METRI-PACK
- AT - 10 AMP
- GG - INTERNAL GROUND
- AU - GOLD CONTACTS

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NASON

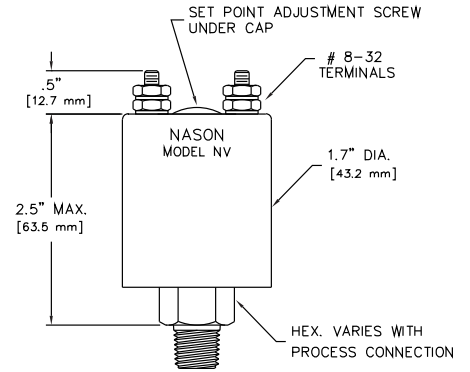
MODEL NV (formerly NSMV)



- SNAP ACTION SWITCH
- FACTORY PRESET/FIELD ADJUSTABLE
- NEMA 4, 13

OPTIONS

- 10 AMP CONTACT
- GOLD CONTACT FOR LOW CURRENT APPLICATIONS
- WIDE RANGE OF DIAPHRAGM MATERIALS



STANDARD SPECIFICATIONS

Set Point Range:	3" - 30" Hg	(76mm - 762mm Hg)
Set Point Tolerance:	±1" Hg OR 5%	(25mm Hg)
Maximum Operating Pressure:	250 PSI	(17 BAR)
Current Rating:	5 AMP	
Differential:	20-40%	
Media Connection:	1/4" NPT MALE ZINC	
Circuit Form:	SPST-NO or SPST-NC	
Electrical Connection:	8-32 SCREW TERMINALS	
Diaphragm Material:	BUNA N	

OPTIONAL SPECIFICATIONS

Example - how to order: NV-25A - 20R / QC

NV- - /

MEDIA CONNECTION

- 1- 1/4" NPT MALE
- 17- 1/4" BSPP MALE (G 1/4") MALE BRASS
- 25- 1/4" NPT MALE NYLON

CIRCUIT FORM

- A - SPST-NO
- B - SPST-NC
- C - SPDT

ADJUSTMENT RANGE

- 3-12" HG
- 8-30" HG

SETTING DIRECTION

- R - RISING
- F - FALLING
- J - RISING ADJUSTABLE
- G - FALLING ADJUSTABLE

ELECTRICAL OPTIONS

- WL- WIRE LEADS 18"
- QC- 1/4" SPADE CONNECTION
- WP- WEATHER PACK
- HR- DIN43650A CONNECTOR
- MP- METRI-PACK
- AT - 10 AMP
- GG - INTERNAL GROUND
- AU - GOLD CONTACTS

NASON

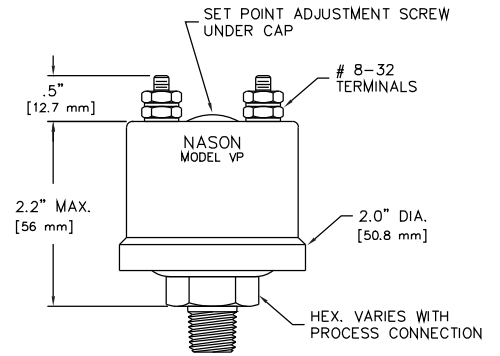
MODEL VP (formerly SPV)



- SNAP ACTION SWITCH
- FACTORY PRESET/FIELD ADJUSTABLE
- NEMA 4, 13

OPTIONS

- 25 AMP CONTACT
- GOLD CONTACT FOR LOW CURRENT APPLICATION
- WIDE RANGE OF DIAPHRAGM MATERIALS



STANDARD SPECIFICATIONS

Set Point Range:	1" - 30" Hg	(25mm - 762mm Hg)
	20" - 410" H ₂ O	
Set Point Tolerance:	±.5" OR 5%	(13mm Hg)
Maximum Operating Pressure:	250 PSI	(17 BAR)
Current Rating:	10 AMP	
Differential:	20-40%	
Media Connection:	1/4" NPT MALE STEEL	
Circuit Form:	SPST-NO or SPST-NC	
Electrical Connection:	8-32 SCREW TERMINALS	
Diaphragm Material:	BUNA N	

OPTIONAL SPECIFICATIONS

Example - how to order: **VP- 1 A - 2 5 R / M P**

VP- - /

MEDIA CONNECTION

- 1- 1/4" NPT MALE
- 11- 9/16"-18 SAE O-RING (-6)
- 13- 1/2"-20 SAE O-RING (-5)
- 17- 1/4" BSPP MALE (G 1/4")

CIRCUIT FORM

- A - SPST-NO
- B - SPST-NC
- C - SPDT

ADJUSTMENT RANGE

- 1-5 Hg (14-70" H₂O)
- 4-15 hg (55-200" H₂O)
- 10-30 HG (140-410" H₂O)

SETTING DIRECTION

- R - RISING
- F - FALLING
- J - RISING ADJUSTABLE
- G - FALLING ADJUSTABLE

ELECTRICAL OPTIONS

- WL- WIRE LEADS 18"
- QC- 1/4" SPADE CONNECTION
- WP- WEATHER PACK
- HR- DIN43650A CONNECTOR
- MP- METRI-PACK
- AT - 10 AMP
- GG - INTERNAL GROUND
- AU - GOLD CONTACTS

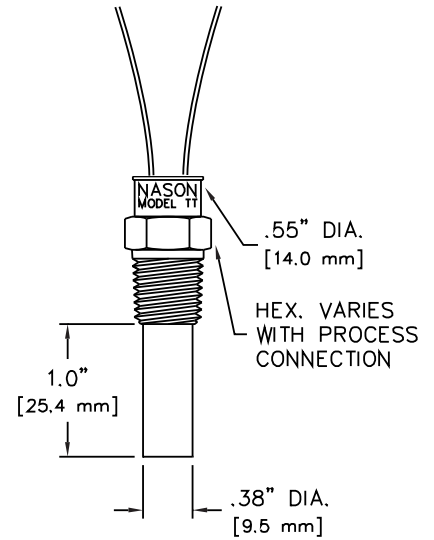
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See pages 19-21 for additional options available on this model.
For custom designs and technical assistance call 1-800-229-4955
or visit our website at www.nasonptc.com

NASON

MODEL TT

- BI-METAL IMMERSION TEMPERATURE SWITCH
- FACTORY PRESET TEMPERATURE
- NEMA 4,13
- DIRECT ACTION CONTACTS/MINIMUM HYSTERESIS
- GOLD DIFFUSED, FINE SILVER CONTACTS FOR USE IN LOW VOLTAGE/LOW CURRENT APPLICATIONS



STANDARD SPECIFICATIONS

Set Point Range:	40°F TO 300°F
Set Point Tolerance:	±5°
Ambient Temperature:	-65°F TO 325°F
Current Rating: (Resistive)	3 AMP
Probe Length:	1"
Media Connection:	1/4" NPT MALE BRASS
Circuit Form:	SPST-NO or SPST-NC
Electrical Connection:	4" WIRE LEADS
Maximum External Pressure:	5000 PSI

OPTIONAL SPECIFICATIONS

Example - how to order: **TT- D 3 A - 0 1 0 R / W L**

TT- - / *

* If no option indicated screw terminals provided.

PROBE LENGTH

D - 1/2"
E - 3/4"
F - 1"
H - 1 1/2"
J - 2"

MEDIA CONNECTION

1- 1/2" NPT MALE
2- 3/8" NPT MALE
3- 1/4" NPT MALE
5- 3/4"-16 SAE O-RING (-8)
6- M-16 X 1.5

CIRCUIT FORM

A-SPST-NO
B-SPST-NC

ELECTRICAL OPTIONS

WL- WIRE LEADS
QC- 1/4" SPADE CONNECTION
WP- WEATHER PACK
MP- METRI-PACK
GG-INTERNAL GROUND

FIXED SET POINT

40°F - 300°F

SETTING DIRECTION

R - RISING
F - FALLING

NASON

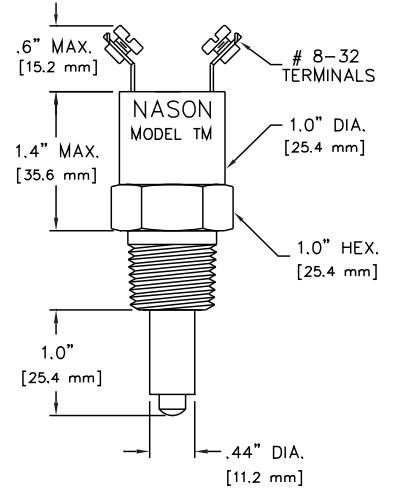


MODEL TM

- SNAP ACTION SWITCH
- RUGGED BELLOWS ACTUATING MECHANISM
- NEMA 4, 13

OPTIONS

- 10 AMP CONTACT
- GOLD CONTACT FOR LOW CURRENT APPLICATION
- BASE CONSTRUCTION FOR 5000 PSI



STANDARD SPECIFICATIONS

Set Point Range:	40° - 300°F (4° - 148°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 AMP
Media Connection:	1/2" NPT MALE BRASS
Circuit Form:	SPST-NO or SPST-NC
Electrical Connection:	8-32 SCREW TERMINALS
Maximum External Pressure:	500 PSI

OPTIONAL SPECIFICATIONS

Example - how to order: **TM- 6 A - 1 2 0 R / W L**

TM- - /

MEDIA CONNECTION

- 1- 1/2" NPT MALE
- 2- 3/8" NPT MALE
- 6- M-16 X 1.5
- 7- 1/2" BSPP MALE (G 1/2")

FIXED SET POINT

40°F - 300°F

CIRCUIT FORM

- A- SP ST-NO
- B- SP ST-NC
- C- SP DT

SETTING DIRECTION

- R - RISING
- F - FALLING

ELECTRICAL OPTIONS

- WL- WIRE LEADS 18"
- QC- 1/4" SPADE CONNECTION
- WP- WEATHER PACK
- HR- DIN43650A CONNECTOR
- MP- METRI-PACK
- AT - 10 AMP
- GG - INTERNAL GROUND
- AU - GOLD CONTACTS

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See pages 22-23 for additional options available on this model.
For custom designs and technical assistance call 1-800-229-4955
or visit our website at www.nasonptc.com

NASON

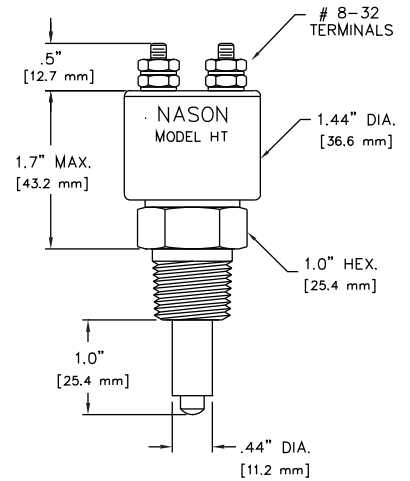


MODEL HT

- SNAP ACTION SWITCH
- RUGGED BELLOWS ACTUATING MECHANISM
- NEMA 4, 13

OPTIONS

- 25 AMP CONTACT
- GOLD CONTACT FOR LOW CURRENT APPLICATION
- BASE CONSTRUCTION FOR 5000 PSI



STANDARD SPECIFICATIONS

Set Point Range:	40° - 300°F	(4° - 149°C)
Set Point Tolerance:	±5°F	(1.7°C)
Maximum Temperature:	100°F ABOVE SET POINT (325°F MAX)	
Differential:	8-16°F	
Current Rating:	10 AMP	
Media Connection:	1/2" NPT MALE BRASS	
Circuit Form:	SPST-NO or SPST-NC	
Electrical Connection:	8-32 SCREW TERMINALS	
Maximum External Pressure:	500 PSI	

OPTIONAL SPECIFICATIONS

Example - how to order: HT- 2 A - 1 0 0 R /

HT- - /

MEDIA CONNECTION

- 1- 1/2" NPT MALE
- 2- 3/8" NPT MALE
- 6- M-16 X 1.5
- 7- 1/2" BSPP MALE (G 1/2")

CIRCUIT FORM

- A - SP ST-NO
- B - SP ST-NC
- C - SPDT

FIXED SET POINT

40°F - 300°F

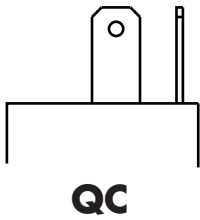
SETTING DIRECTION

- R - RISING
- F - FALLING

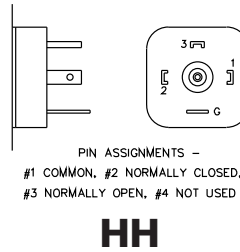
ELECTRICAL OPTIONS

- WL- WIRE LEADS
- QC- 1/4" SPADE CONNECTION
- WP- WEATHER PACK
- HR- DIN43650A CONNECTOR
- EL- 1/2" CONDUIT CONNECTION
- MP- METRI-PACK
- GG- INTERNAL GROUND
- AU- GOLD CONTACTS

BASIC ELECTRICAL OPTIONS

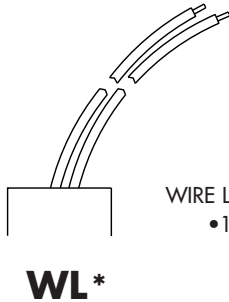


QUICK CONNECTS - OPTION "QC"
• 1/4" MALE SPADES



MALE DIN - OPTION "HH"
• DIN 43650-A TYPE
• PLUG ONLY

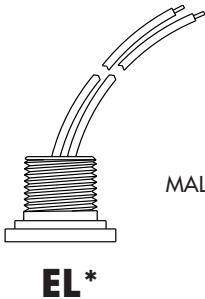
PIN ASSIGNMENTS -
#1 COMMON, #2 NORMALLY CLOSED,
#3 NORMALLY OPEN, #4 NOT USED



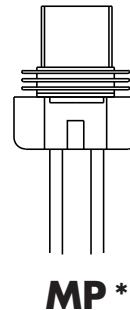
WIRE LEADS - OPTION "WL"
• 18 AWG WIRE, 18" LONG



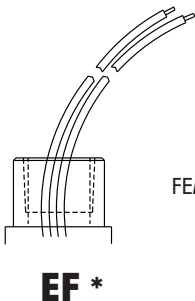
WEATHER PACK - OPTION "WP"
• FEMALE "TOWER" TYPE
• 18 AWG WIRE
• 6" COMPLETE LENGTH



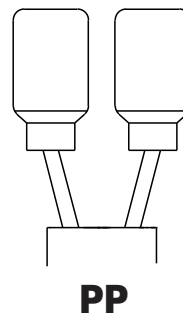
MALE CONDUIT - OPTION "EL"
• 1/2" - 14 NPT MALE CONNECTION
• INCLUDES "WL" OPTION



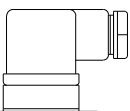
METRI-PACK - OPTION "MP"
• FEMALE 280 SERIES
• 18 AWG WIRE
• 6" COMPLETE LENGTH



FEMALE CONDUIT - OPTION "EF"
• 1/2" - 14 NPT FEMALE CONNECTION
• INCLUDES "WL" OPTION



WATERPROOF MIL CONNECTOR -
OPTION "PP"
• MS 27412 STYLE
• 16 AWG WIRE



COMPLETE DIN - OPTION "HR"
• DIN 43650-A TYPE
• PLUG AND RECEPTACLE INCLUDED

CABLE CLAMP FOR 18" (4.5 mm) THRU 28" (7 mm) DIA. CABLE
PIN ASSIGNMENTS - #1 COMMON, #2 NORMALLY CLOSED,
#3 NORMALLY OPEN, #4 NOT USED

HR

***COLOR CODE:**

BLACK - COMMON
RED - NORMALLY OPEN
BLUE - NORMALLY CLOSED

**** PIN CONFIGURATION (C CIRCUIT)**

A - NORMALLY OPEN
B - COMMON
C - NORMALLY CLOSED

PRESSURE/VACUUM SWITCH MEDIA CONNECTION DESIGNATIONS

OPTION#	BASE PER OPTION	CM	SM	MM	LM	NS	SP	XM	WS	VM	NV	VP	IS
#1	1/4" - 18 NPT Male	•	•	•	•	•	•	•	•	•	•	•	•
#2	1/8" - 27 NPT Male	•	•	•	•	•	•	•	•	•	•	•	•
#3	3/4" - 16 SAE J514 O-Ring Male (-8)	•	•	•		•		•	•	•	•	•	•
#4	7/16" - 20 SAE J514 37° Flare Male (-4)							•	•		•	•	•
#5	1/4" - 18 NPT Female	•	•	•			•	•	•		•	•	•
#6	7/16" - 20 SAE J514 O-Ring Male (-4)	•	•	•	•	•	•	•	•		•	•	•
#7	1/4" - 18 NPT Female	*OBSOLETE* SEE OPT. 5											
#8	1/8" - 27 NPT Female	•	•	•			•	•	•	•	•	•	•
#9	3/8" - 18 NPT Male						•	•	•		•	•	•
#10	1/4" - Female Stainless Steel	*OBSOLETE* SEE OPT. 5											
#11	9/16" - 18 SAE J514 O-Ring Male (-6)	•	•	•	•		•	•	•	•	•	•	•
#12	M10-1 METRIC	•	•	•									
#13	1/2" - 20 SAE J514 O-Ring Male (-5)	•	•	•			•	•	•	•	•	•	•
#14	1/2" NPT Male/1/8" NPT Female	•	•	•		•							
#15	7/16" - 20 SAE J514 O-Ring Female (-4)							•	•		•	•	•
#16	7/16" - 20 SAE J514 37 DEG				•								
#17	1/4" -19 BSPP (G 1/4") Male	•	•	•	•	•	•	•	•	•	•	•	•
#18	7/16" - 20 SAE J514 O-Ring Male ADJ (-4)							•	•		•	•	•
#19	1/8" - 28 BSPT (R 1/8") Male	•	•	•			•	•	•		•	•	•
#20	1-1/2" Pipe Sanitary Connection					•		•	•		•	•	•
#21	1/4" BSPP Extended (G 1/4)	•	•	•				•	•	•	•	•	•
#22	1/2" - 14 NPT Brass Male (IS Only)							•	•		•	•	•
#23	1/4" - 18 NPT SS Female (IS Only)							•	•		•	•	•
#24	3/8"- 24 UNF Male/10-32 UNF Female	•	•	•									
#25	1/4" - 18 NPT Male Nylon	*OBSOLETE* SEE OPT. 1											
#26	9/16" - 18 SAE J514 37° Flare Female (-6)							•	•		•	•	•
#27	1/2" - 14 BSPT (R 1/2") Male	•	•	•						•			
#28	1/8" - 28 BSPP (G 1/8") Male	•	•	•									
#29	3/8" - 24 SAE J514 O-Ring Male (-3)	•	•	•				•	•		•	•	•
#30	1/4" - 19 BSPT (R 1/4) Male	•	•	•						•			

Note: Consult factory for materials and stock

PRESSURE/VACUUM SWITCH MEDIA CONNECTION DESIGNATIONS

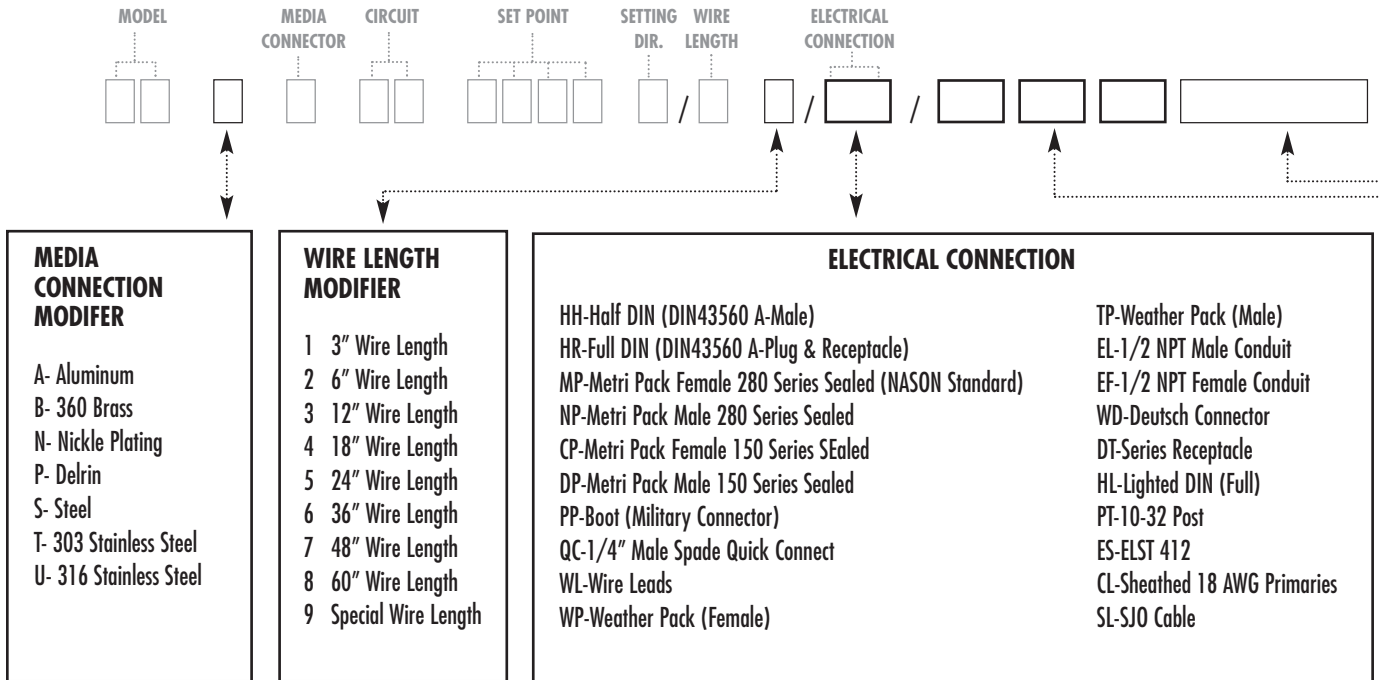
OPTION#	BASE PER OPTION	CM	SM	MM	LM	NS	SP	XM	WS	VM	NV	VP	IS
#31	Flange					•							
#32	M12-1.5 METRIC	•	•	•				•	•		•	•	•
#33	Extended Flange					•							
#34	7/16" - 20 MS33649 Female (-4)					•							
#35	1/2" - 14 NPT Male					•		•	•	•	•	•	•
#36	9/16" -18 SAE J514 Extended Boss O-Ring Male (-6)				•								
#37	3/8" - 24 Inverted Flare	•	•	•									
#38	Special SR					•		•	•	•	•	•	•
#39	1/4" -18 NPT SAE J516 Hose Male (-4)							•	•		•	•	•
#40	M 10x1 SAE J2244-3 O-Ring Male	•	•	•									
#41	7/16" -20 Internal 45 Degree Flare -SAE J 513	•	•	•						•			
#42	9/16" -18 ADJ												
#43	M10x1 SAE J2244-3 Extnd.	•	•	•									
#44	1/4" -18 NPT Female Ext.							•	•		•	•	•
#45	9/16" -18 SAE O-Ring							•	•		•	•	•
#46	1/8" - NPT Male Clipped NEX	•	•	•									
#47	1/4" -19 BSPP Female (G1/4)							•	•		•	•	•
#48	9/16" -18 SAE Male 1/8 NPT									•			
#49	M14x1.5 J2244/3	•	•	•									
#50	.302-32 Female	•	•	•									
#51	M14x1.5 (19mm HEX)				•								
#52	3/8" - UNF w/1/4" BARB	•	•	•									
#53	3/8" - M12x1.5 SAE J2244				•			•	•		•	•	•

Note: Consult factory for materials and stock

OPTIONAL SPECIFICATIONS

Pressure and Vacuum Switch Part Number Configuration

***NOTE:** Complete BOLD boxes only. Shadow boxes should have been previously completed on individual switch pages.



ADDITIONAL OPTIONS		
DIAPHRAGMS	CONTACTS	OTHER
BL-Buna 50 Durometer	AE-Fifteen AMP	VL - Convolute (for wire leads)
BT-Buna 413T	AF-Five AMP	
EP-EP 559 PE	AT-Ten AMP	
EU-EP 523 EU	AU-Gold Contacts	GG- Intenal Ground
FS-Flurosilicone	AH-Twenty-Five AMP	
GJ-Viton 514 GJ		
HN-HNBR 574 BF		
ND-EP 560 ND		
NE-Neoprene		
VT-Viton 514 AD		
YP-Viton 514 YP		

VARIANT*

***NOTE:** Variant part number to be assigned by NASON.

NOTE: Not all options available on all models.

TEMPERATURE SWITCH BASE OPTIONS

MEDIA CONNECTION OPTION#	BASE THREAD SIZE	TM/HT MODEL	TT MODEL						
			PROBE CODE						
			C 3/8 PROBE	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	•	•	•	•	•	•		•
2	3/8 NPT	•		•	•	•			
3	1/4 NPT			•	•	•		•	•
4	3/8 NPT (1PC)	•							
5	3/4 -16 SAE O'RING(-8)	•			•	•		•	
6	M16X1.5	•		•		•			•
7	1/2 BSPP	•							
8	1/2 NPT (1PC)	•							
9	3/8 NPT (SHORT)	•							
10	M14X1.5 (NICKEL PLATED)				•				
11	M14X1.5				•	•			
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	M18X1.5 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	M16X1.5								
23	1/2 BSPT (R 1/2)	•							
24	1/2 NPT (316SS)					•			
25	3/8 NPT (NICKEL PLATED) 1 PC	•							
26	M14X1.5 SAE J2244			•		•			
27	M22X1.5 SAE J2244					•			
28	1/4 -19 BSPT				•				
29	3/8 -19 BSPP							•	
30	3/8 -NPT (316SS)					•			

*.85 LONG PROBE IN TT=SC 1788
ALL MATERIALS BRASS UNLESS NOTED OTHERWISE