



T A B L E O F C O N T E N T S

NASON Application Information . . . . .	4
Low Pressure Switches	
SQ . . . . .	5
SM . . . . .	6
MM. . . . .	7
LM . . . . .	8
NS . . . . .	9
High Pressure Switches	
XM . . . . .	10
WX. . . . .	11
Vacuum Switches	
VM . . . . .	12
NV . . . . .	13
VP. . . . .	14
Temperature Switches	
TT . . . . .	15
TM . . . . .	16
HT. . . . .	17
Electrical Connection Options. . . . .	18
Pressure/Vacuum Switch Media Connection Designations . . . . .	19-20
Pressure/Vacuum Configuration . . . . .	21
Temperature Switch Media Connection Designations . . . . .	22
Temperature Configuration . . . . .	23
Circuit / Warranty . . . . .	24

## **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.

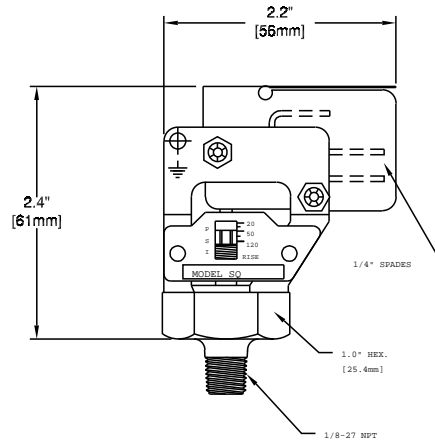
#### *Customization*

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>
--	--	--