

# Presair

shock proof • waterproof • explosion proof

## Factory Set Pressure and Vacuum Switch

Tinytrol pressure and vacuum switches provide versatile and convenient sensing. Their miniature size and variety of connection styles for simple implementation into any system. These switches allow for simple electrical on/off control over pressure (0.25-65 Psi) and vacuum (consult factory). As pressure rises or falls, one contact opens as the other closes. This provides a perfect solution for monitoring, controlling, and notifying. Tinytrol Miniature Pressure and Vacuum Switches are preset at the factory to actuate at your specific requirements.

### Presair air switches deliver critical benefits:

**SAFE:** Presair air switches deliver complete electrical isolation with zero voltage at the actuator to shock the user or spark an explosion.

**ECONOMICAL:** Presair air switching system costs are comparable or lower than conventional controls meeting the needs of original equipment manufacturers.

**ACCURATE:** All switches are 100% tested with a 100,000+ cycle life.

### General Specification:

**RATING:** 2 HP @ 240 VAC; 1HP @ 120 VAC  
21 AMPS @ 250 VAC  
Other ratings available up to 25 Amps.  
Gold contacts available.

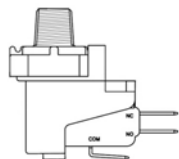
**APPROVAL:** UL Recognized, CUL Recognized. File #E80254

**MATERIAL:** Acetal Body/Acetal Mechanism  
Silicone Rubber Diaphragm  
Other material available, give us a call for more information.

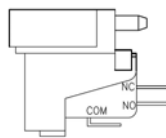
**FACTORY SET RANGE:** Pressure switches have a preset range of 0.25 psi to 65 psi.  
Please consult factory for vacuum.

**OPERATING TEMPERATURE:** -22°F to 150°F

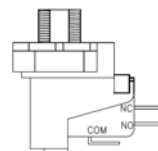
**BODY STYLE CONNECTIONS:**



1/8" NPT, Center Air  
Spout - TN Style



Radial Mount, Side  
Air Spout - TR Style



9/16" - 18 UNF, Center  
Air Spout - TV Style



TRV111E-20WR - Radial Mount with  
side spout  
2"x 1.5"



TVP211E-2PR - Threaded Mount with  
center spout  
2" x 2"

PRESAIR SWITCHES ARE DESIGNED & MANUFACTURED IN ALTOONA, WI, U.S.A.

## Factory Set Pressure & Vacuum Switches

Select from each column to configure your part number:

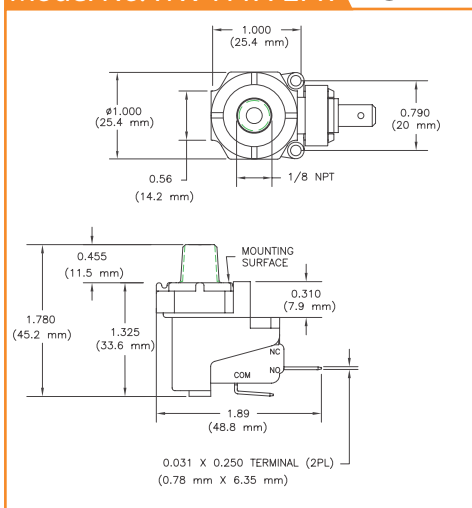
MOUNTING OPTIONS	ACTION	CONTACT FIGURATION	ELECTRICAL RATINGS	SPECIAL Multiple options available.
<b>N</b> 1/8 NPT, Center Air Spout (Fig. A)	<b>P</b> Pressure	<b>1</b> SPDT	<b>11</b> 21 Amp, 1 hp @ 125 VAC Standard	<b>A</b> 1/2" Mounting Thread w/ Flats
<b>R</b> Radial Mount, Side Air Spout (Fig. B)		<b>2</b> DPDT	<b>16</b> 5 Amp, Low Force (17 g) Long Distance Tubing (100 feet) Applications	<b>B</b> 9/16" - 18UNF Mounting Thread
<b>V</b> Threaded Mount, Center Air Spout (Fig. C) *Not available for vacuum applications	<b>V</b> Vacuum	<b>4</b> SPST (Normally Open)	<b>17</b> 5 Amp, Regular Force (36 g) Long Distance Tubing (50 feet) Applications	<b>E</b> EPDM Diaphragm
			<b>25</b> 25 Amp @ 240 VAC	<b>K</b> Black Bottom Housing

\*Include the desired setpoint at the end of the part number, Pressure Rising (PR), Pressure Falling (PF), Water Rising (WR), or Water Falling (WF).

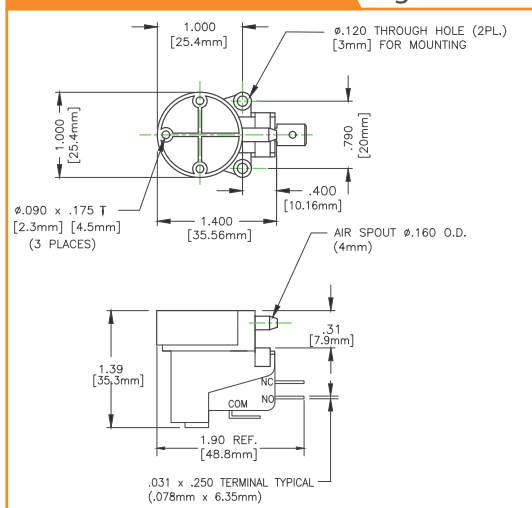
T **V** — **P** — **1** — **11** — **A** → **TVP111A-20PR\***

\*Many custom options available, give us a call for more information.

Model No. TNV411A-2PR Fig. A



Model No. TRP111A-10PR Fig. B



Model No. TVP111A-20PR Fig. C

