

Tinytrol® Miniature Air Switch

Presair air switches are single function controls that provide safe on/off actuation of electrical devices from remote locations such as motors, lights, pumps, or other applications. Presair air switches are designed to use an air bellow actuator joined by tubing to an air switch contained within the equipment. Pushing the actuator creates enough pressure to operate the air switch which safely controls the equipment. There is complete electrical isolation with no voltage to worry about at the point of actuation.

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.

ACTION: Alternate Action (Push Remain On/Push Off)
Momentary (Push On/Release Off)
All units available with an air bleed for sensitive environments such as, low force applications. Contact us for more information.

OPERATING TEMPERATURE: -22° F to 150° F

AIR TUBE DISTANCE: Standard maximum distance between air actuators and air switch:
Alternate Action: 20 feet
Momentary Action: 35 feet
Distances of 100 feet available for both alternate and momentary action. Model of air actuator and tubing size affect maximum distance. Contact us for more information.



TRA111A - Radial Mount with side spout
2" x 1.5"



TVM211A - Threaded Mount with center spout
2" x 2"

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

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Select from each column to configure your part number:

MOUNTING OPTIONS	ACTION	CONTACT FIGURATION	ELECTRICAL RATINGS	SPECIAL Multiple options available.
N 1/8 NPT Center Air Spout (Fig. A)	M Momentary	1 SPDT	11 21 Amp, 1 hp @ 125VAC Standard	A 1/2" Mounting Thread w/ Flats
				B 9/16" - 18UNF Mounting Thread
R Radial Mount, Side Air Spout (Fig. B)	A Alternate Latching	2 DPDT	16 5 Amp, Low Force (17g) Long Distance Tubing (100 feet) Applications	C Air Bleed
				D One Latching and One Momentary Switch
V Threaded Mount, Center Air Spout (Fig. C)	A Alternate Latching	4 SPST (Normally Open)	17 5 Amp, Regular Force (36g) Long Distance Tubing (50 feet) Applications	E EPDM Diaphragm
				K Black Bottom Housing
			25 25 Amp @ 240VAC	Z Stepped Nipple, 1/16" ID Microtube 9/16" Diameter Thread

T **V** — **M** — **1** — **11** — **A** → **TVM111A**

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

