

Explosion Proof Foot Switch

Presair foot switches are a **safer solution** compared to **conventional controls**. The Presair system uses an air bellow actuator joined by tubing to an air switch contained within the equipment to be switched. Pushing the actuator creates enough pressure to operate the air switch which safely controls the equipment. There is **complete electrical isolation** with no voltage - low or high - to worry about at the point of actuation, making it **safe to use in explosive environments!**

Versions Tailored For Your Requirements

ALTERNATE LATCHING Designed to sense a pulse of air for ON and again for OFF. If the user were to press the foot pedal and walk away, the equipment would continue to run until the foot pedal was pressed again.

MOMENTARY ACTION Ideally used to turn on equipment as long as air is being sensed. The user steps down on the foot pedal continuously to actuate the equipment. Once the user removes contact from the foot pedal the equipment shuts down.

ALTERNATE LATCHING & RELAY Built as an alternate latching foot switch, the pedal is designed to sense a pulse of air for ON and again for OFF. But, if the equipment was to experience a power failure from an electrical outage, a relay paired with the air switch will prevent the equipment from turning back on when power resumes.

Foot Pedal & Air Switch Specifications

CURRENT RATING 15 Amps @ 125VAC

WORLD WIDE APPROVAL UL & CUL Recognized.
File #E171193

TUBING SIZE 1/8" I.D., 1/4", 5/16", or 3/8" O.D. available.
Standard Models are supplied with 10 feet of air tubing. Other lengths available. Contact us!

OPERATING TEMPERATURE -22°F to 150°F

Actuator Styles and Variations:

See Page 2 for more actuator options and styles available.

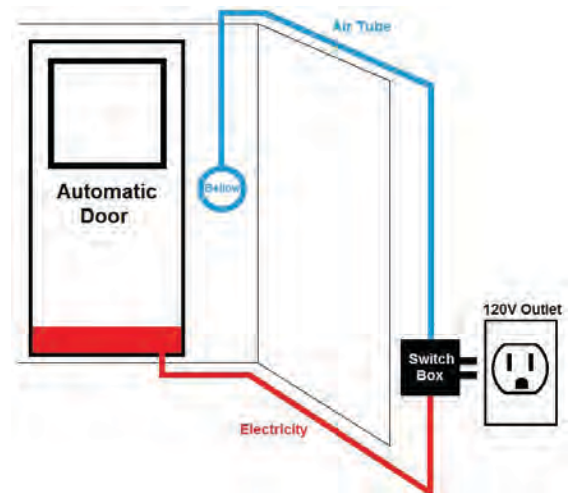
PROTECTIVE HOUSING



LOW PROFILE



Foot Pedal Air Switch



Solution Diagram

Try it in wet environments too!

Hand Air Actuators

Hard Push Button Actuators

All hard push buttons have a sealed internal air bellow to prevent water from entering the air tube that connects the air button to the air switch. Hard push buttons have a diameter ranging from 0.35 inches to 2.5 inches and thread mount or push fit options available.

Hard buttons are available in the following standard colors and finishes: White, Black, and Chrome. Other options available upon request. Please contact us for more information.



Soft Air Bellow Actuators

Presair's push bellow hand actuators are made from a flexible UV resistant PVC. Bellows range in size from 1 inch to 2.8 inches, with multiple stem lengths available. Air bellow actuators are tested for more than 1 million pushes.

All air bellows are available in black, white or gray with a plain top or recessed for custom OEM decals. Other colors are available, please contact us for more information.



*Pictures shown illustrate our common actuators. Other styles available, please contact us.

Foot Pedal Air Actuators

Pneumatic foot pedals contain an internal bellows when pressed, sends a pulse of air through a tube to our air switch which may be momentary action, alternate latching or sequencing. Presair's foot pedals are shockproof, explosion proof and waterproof.

Hard Foot Pedals

Hard foot pedals are made from glass filled polypropylene. Our standard tubing is 1/8" I.D., 1/4" O.D., 10 feet. Other tubing sizes available, please contact us.



Soft Foot Bellows

These low profile soft foot bellows work with the extensive air switch range creating a great volume to actuate an air switch from long distances. Soft foot bellows are made from a flexible PVC, with standard tubing size of 1/8" I.D., 1/4" O.D. or 5/16" O.D. and 10 feet. Other tubing sizes available, please contact us.

