



Garden Railroad Products
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Why choose Air-EZ from Garden Railroad Products

We started Air-ez after seeing so many customers left high and dry with no service or parts after almost all companies disappeared. With the backing of Ozark Miniatures we are here to stay.

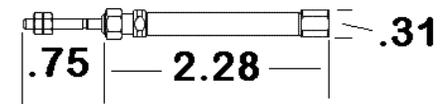
Quality– Air-EZ air cylinders are made to Military and Medical Standards. Constructed out of stainless steel and aluminum these cylinders do not oxidize or corrode like brass cylinders do. As many Garden railroaders know from using brass track, that brass requires a great deal of maintenance to remain functional. Less maintenance is required with this construction

Safety– Our cylinders meet strict medical and air craft quality standards. Unlike other cylinders ours are tested to extreme conditions that far exceed what the garden railroad would put them through.

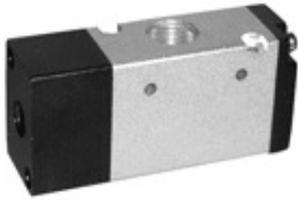
Durability– Our cylinders meet ISO standards and are rated at 500,000 cycles. Know one else in the market place insists on this type of quality.



0814 The heart of our system are aircraft quality cylinders made of stainless steel and aluminum. All our competitors use brass for their cylinders and rods. These will develop corrosion and require regular maintenance. Cylinders are rated at 500,000 repetitions and harsh environments. Due to their unique size they can be mounted inside of many of the tracks ties to conceal them. Cylinders are spring loaded to return to the original position so you only need 1 airline per cylinder. Travel on the rod is .6 inches which is more than enough for most switches. The cylinder can be front mounted with accompanying nut. Rod size is 3 mm. Our Cylinder also contain sensing magnets which can be used with indicator light to show switch position or to operate sound modules. Sensors simply attach to the cylinder with a strap on the outside



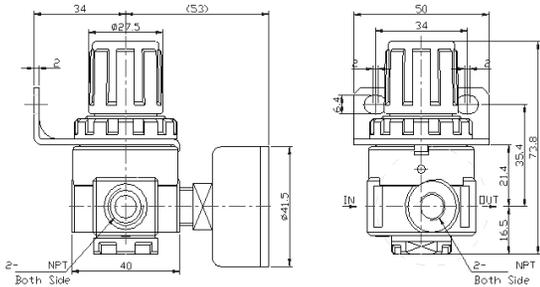
0811 Normally closed toggle valve for air control. The detent switches release the air going to your cylinders so that they can return to their closed position. They fit nicely into a control panel and include the nuts for mounting. Thread size of the ports is 10/32 male. You will need to also order the proper fitting to go to the hose you are using .



0812 Electric air solenoid 24 volts dc also available in 12 volt DC. Use to controll cylinders via dc push button or to use as an inter face with dcc or computer controls.



0813 Incoming air regulator with gauge



0807 1/16th Yellow 50ft
 0805 1/16 Blue 50ft
 0804 1/16th Black 50ft
 0806 1/16th Green 50ft

TUBING



10/32 male thread to 1/16th barb



0802 10/32 male thread to 1/16th tube T



0803 1/8th nmpT to 1/16th barb



0817 1/16th T connector



0816 10/32 Plug



0814 Air cylinder



Distribution manifolds available in 2,4,6,8,10,12 ports. Call for pricing



0814 Air cylinder



0820 SPST Illuminated green toggle switch



0821 Plain black SPST toggle switch



12 volt dc indicators Threaded bushings with nuts for mounting. 8MM above panel Height. 22mm below panel depth. Solder-lug terminals. 12 mm lens



0823 Red



0824 Green



0825 Yellow



0814 Air cylinder



0819 1.5 in face , panel mount pressure gauge.



0822 Air flow controller. Use to slow the speed at which the cylinders move

Complete design and farication service available.

Our experts will design your control panel including complete fabrication at very reasonable rates.

Call 435-586-1036 or toll free at 888-585-6688

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The basic system

Air source

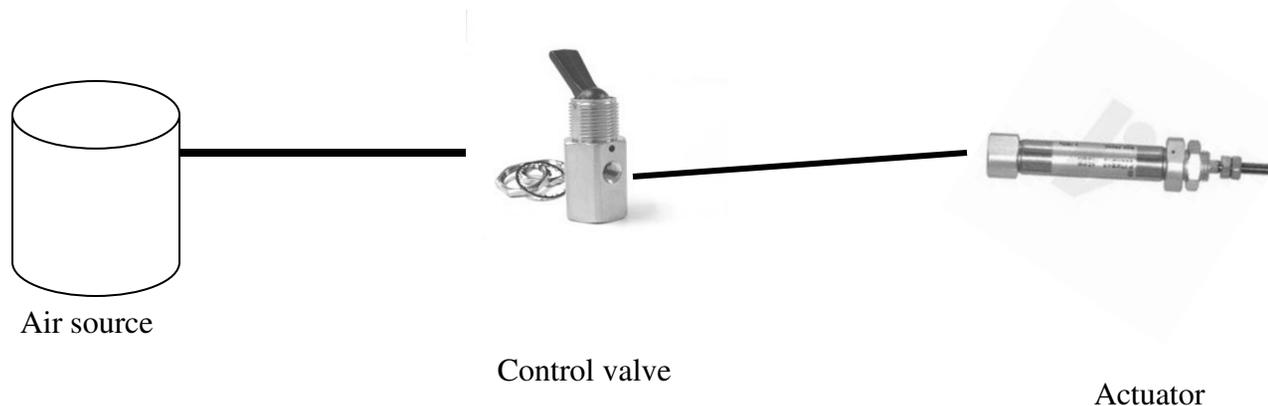
Actuator-cylinder

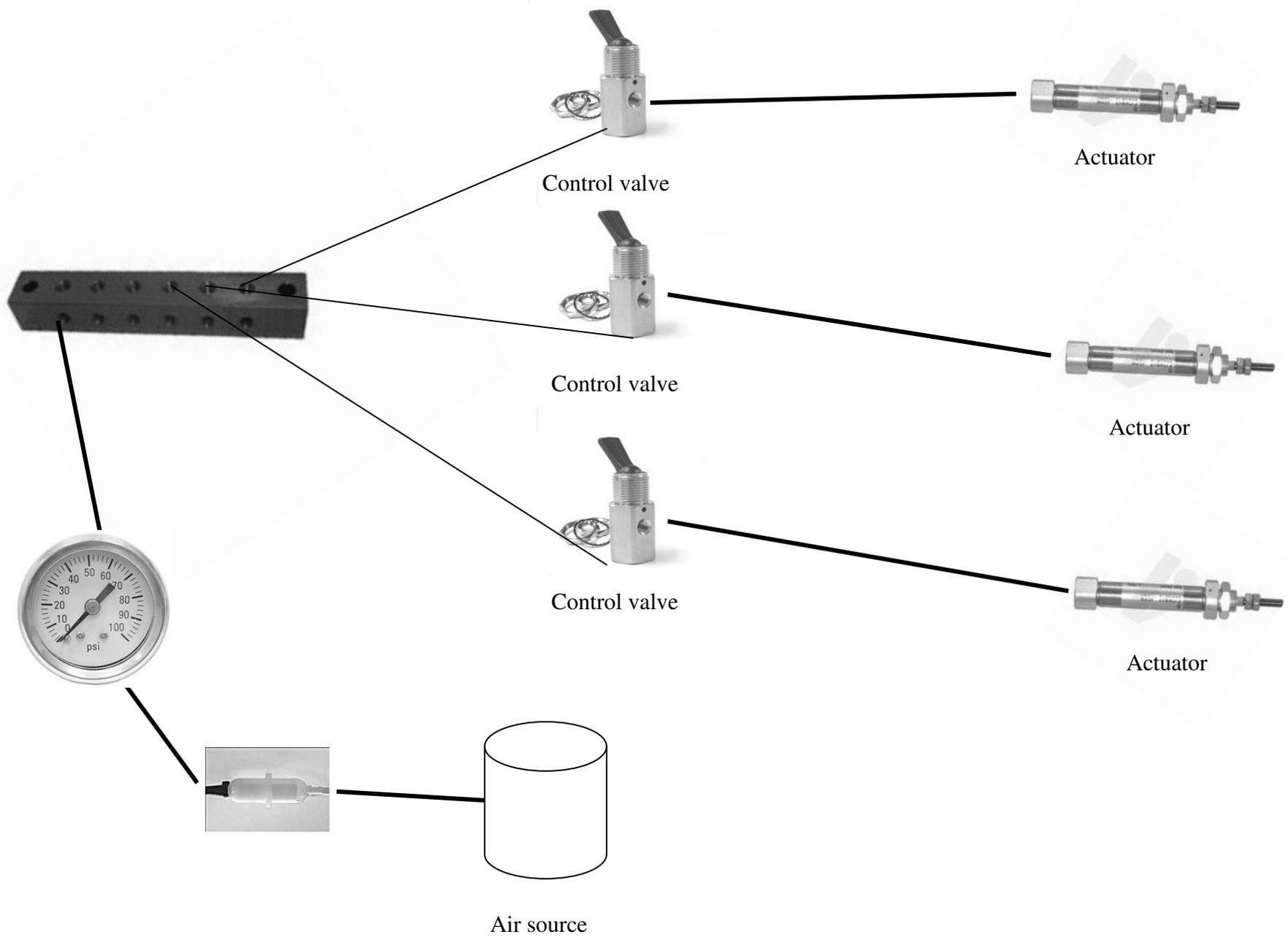
Control valve

Air source– Can be any clean source of air developing 40 psi. You can use a portable air tank and fill it at the local tire shop. A small compressor. Co2 with an appropriate adapter and regulator. Because you will only be running for a day and you usually don't have a lot of turnouts running at first, a small sized unit will work just fine. Although I would not recommend it I have seen people use 2 liter soda pop bottles for air storage.

Actuator– Cylinder is what produces the motion to move animation object and track switches. Each cylinder only needs one air line to it. That is because the valve or switch will release air when not in use.

Control valve—The basic control valve will be a detented valve– MEANING– that air is either on or off and when off the air is allowed to escape out .





Control valve

Actuator

Control valve

Actuator

Control valve

Actuator

Air source

Electric over air. You can replace the toggle switch with DCC encoders for full DCC controll

