

## Binary Redirect Module (“Flip-Flop” Circuit)



**Size:** 4.50" x 2.75" x 3.50"

**Temperature:** 32 to 140°F

**Pressure Range:** 40 to 150 psig

**Use:** The input signal alternates the outputs A and B, sometimes referred to as a push-on/push-off circuit. The circuit manifold combines the R-451 and R-412 in a binary redirect or flip-flop circuit.

**Operation:** Use of the R-412 provides a “memory” function to return the output to a known position (port 8) whenever air is first turned on to the circuit. This output pilots port 4 of the R-451, positioning it for the next signal. A signal input passes through the R-451, ports 1 to 2, and pilots port 4 of the R-412. The output of the R-412 shifts to port 2 and also pilots port 6 of the R-451. When the next signal input is received, it passes through the R-451, ports 1 to 8, and pilots port 6 of the R-412, shifting its output back to port 8.

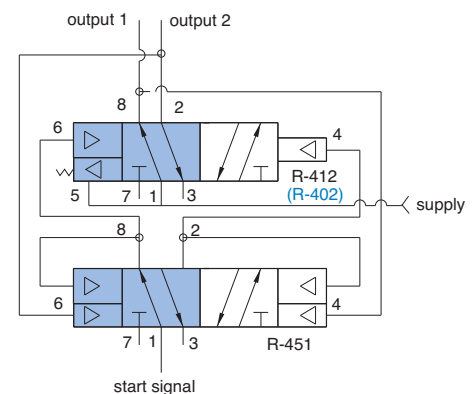
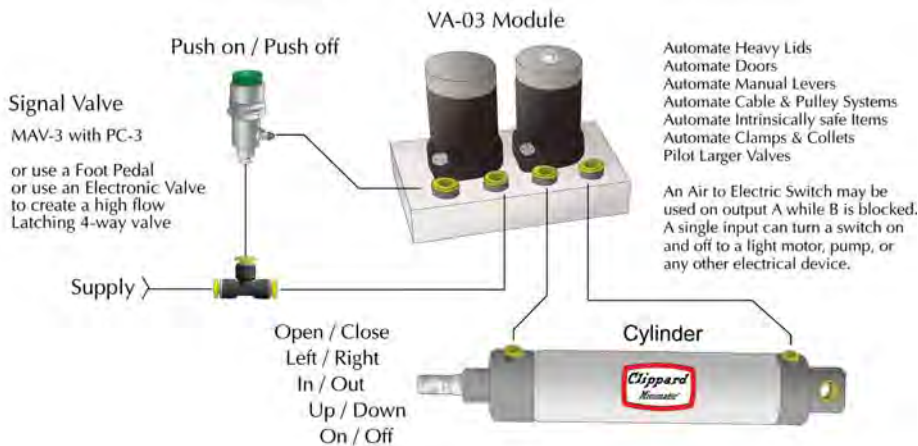
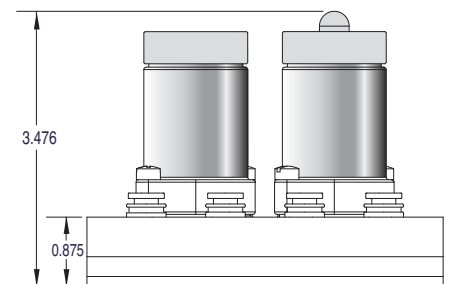
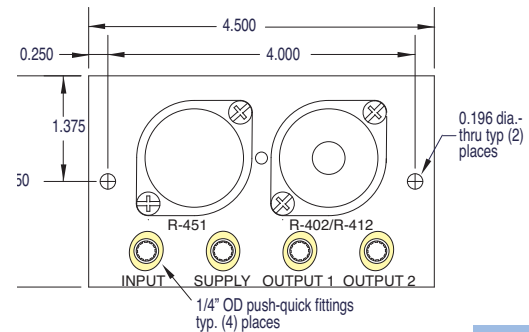
Part No.	Description
<u>VA-03</u>	Binary Redirect Module

**Bill of Materials in Assembly**

Qty.	Part No.	Description
1	<u>R-451</u>	4-Way Binary Trigger Modular Valve
1	<u>R-412</u>	4-Way Modular with Memory Reset
1	<u>CM-03-PO</u>	Binary Redirect Circuit Manifold

All components are also available for purchase

The CM-03 subplate is available with 1/8" NPT Ports on A, B, C & D.



Note: See [Page 258](#) for alternative valve (in parenthesis above).