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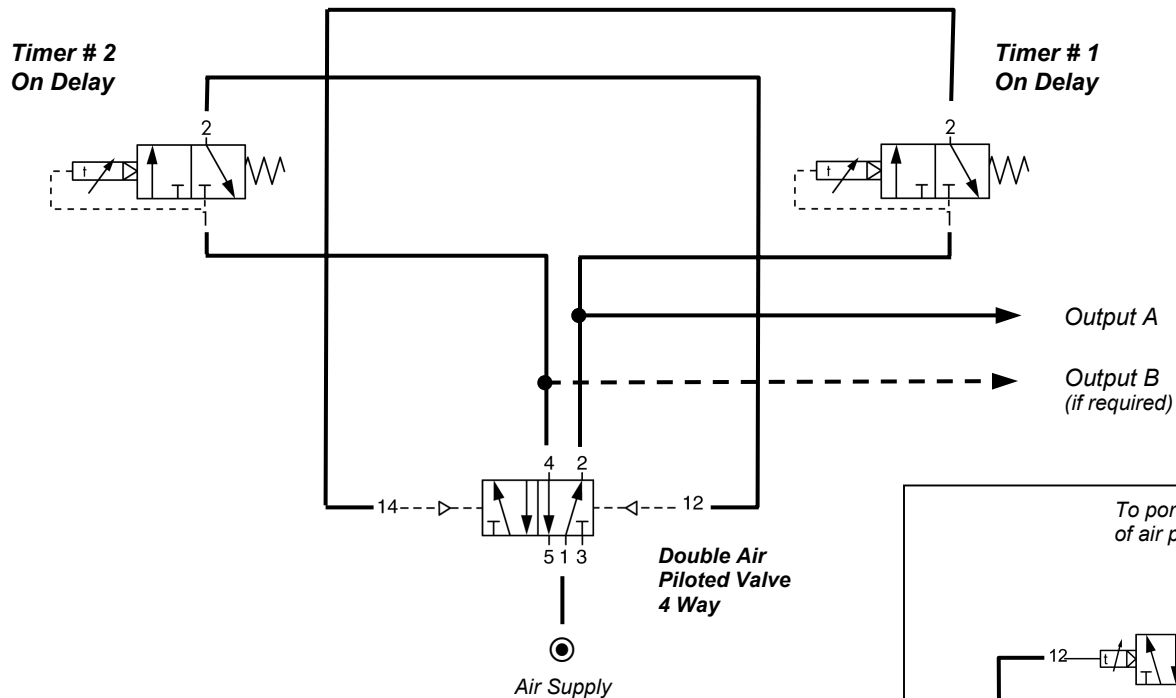
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Continuous Cycling Timer Circuit



Continuous cycling is accomplished by the use of 2 timers operating a double air piloted valve. Off and on times are dependent on the type and set time of timers used. The size of the air piloted valve determines the air volume output. The position of the air piloted valve determines the start up of the timing sequence. If the timing sequence must be restarted in a specific order, a reset circuit must be added at port 12 of the air piloted valve to move it to the start position prior to resuming operation.

Operation

System pressure is turned on. Air flows through port 2 of the pilot valve to drive timer #1 and the device being controlled. When timer 1 reaches set time, it sends a signal to port 14 of the pilot valve, switching the air output to port 4, starting the timing sequence on timer #2 and shutting down timer 1 and the output to the device being controlled. When timer 2 reaches set time, a signal is sent to port 12 of the piloted valve resetting it and restarting the cycle.

Typical Item Selection

Timers- Any on delay timer. (Consider length of time required and mounting preference.)
 Double Air Piloted Valve- Cat. nos. 81014 (10-32 ports), 75027-71-42 (1/8), 75047-81-42 (1/4), or 75067-81-42 (1/2).

