

Pneumatic logic element with Peirce Arrow and Implication functions comprises two-position, seven-line distributor; control channel connected to the first of two input signals; normally closed input channel; upper, middle, and lower normally open input channels, which in the initial position are connected to upper, middle, and lower output channels, respectively; middle output channel is blocked; lower normally open input channel is connected to pressure; and spring that returns distributor to its initial position, wherein normally closed input channel is connected to atmosphere, upper normally open input channel is connected to inverted version of the second input signal, and middle normally open input channel is connected to the second input signal.