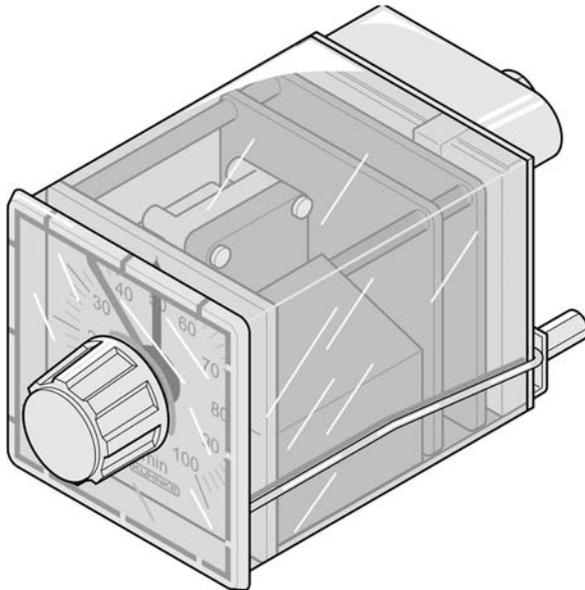


Panel Mounted Pneumatic Timer

(Up to 100 Hours)



The 54 Series timer is a totally pneumatic device with +/- 1% repeatability. Timing is fully adjustable throughout the timing range by a knob on the front dial face. The standard timer is equipped with a special 4 way valve which provides for on or off delay timing (depending on plumbing connections). The front dial displays set time and the time remaining in the cycle.

The operation of the timer depends on the input of a separate control signal. The control signal drives a regulated air motor and gear chain to provide accurate timing regardless of control air pressure fluctuation. The timer resets automatically (approx. 200ms) after removal of control pressure signal.

A special version of the timer includes a rotor stop option which allows for an external valve to be added to permit a "count down on hold" function.

The 54 Series timer is self-contained in a panel mounted lexan case with a front timing adjustment knob. Connections are made at the rear of the timer. Spring clips are used to panel mount the unit.

Technical Specifications

Op. Pressure:

0-145 PSI

Control Pressure:

20-145 PSI
non-lubricated air

Output Valve:

4 way (5 ported)
Cv - .13
Flow - 7 CFM@ 100 PSI
Orifice size - 2mm

Connection:

10-32 (M5) ports

Media:

Filtered air or gas.
Non-lubricated.

Indicators:

Displays set time and time remaining before valve actuation.

Time Setting:

Via front dial knob. Adjustable throughout timing range

Accuracy of Setting:

± 2%

Repeatability:

± 1% of end scale value.

Operation:

Independent regulated air motor. Air consumption 0.35 CFM. Output air piloted 4 way valve.

Reset:

Automatic - by removal of control pressure.

Reset Time:

200 ms.

Timing Sequence:

On delay or off delay depending on valve connections.

Operating Ambient:

0°C to 60°C (32°F to 140°F)

Materials:

Lexan case, cast aluminum rear housing, nylon, brass, and stainless alloy mechanism.

Dimensions (inches):

Faceplate – 2 13/16" square
Behind panel – 4 3/8" deep x 2 5/8" H x 2 5/8" W.

Panel Cutout:

2 5/8" square

Mounting:

Spring clips.