Pneumatic Timers 54 Series

Kuhnke Pneumatic Clock Timer - Standard Version

Technical information

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Pressure range:	0-10 bar
Control pressure:	Minimum 1.2 bar (Control port 12)
Temperature range:	-10˚C...+60˚C (Subject to moisture removal)
Mounting:	Panel mount, spring retaining clips provided
Time setting:	Via front dial knob, Infinite throughout respective time range
Relative timing error:	+/- 1% of end scale value
Setting accuracy:	+/- 2%
Reset:	Automatic - by removal of pressure (Control port 12)
Reset time:	Approx. 200ms
Air consumption:	Approx. 9 l/min (6 bar connected to port 12)
Operating medium:	5 micron filtered, non-lubricated compressed air

Other information

Rotor stop versions are also available; these use 9 l/min while timing which ceases upon timeout saving air energy between resets, see data sheet QY001. See document KHT000 for operating instructions.
An aluminium brackets to surface mount the timer are available - part reference 54.534.

Description	Ports	Order code
Kuhnke pneumatic timer 54.021 - 0.3 to 10 seconds with 5/2 or 3/2 way normally open/closed timing	M5	**54.021**
Kuhnke pneumatic timer 54.022 - 3 to 100 seconds with 5/2 or 3/2 way normally open/closed timing	M5	**54.022**
Kuhnke pneumatic timer 54.023 - 0.3 to 10 minutes with 5/2 or 3/2 way normally open/closed timing	M5	**54.023**
Kuhnke pneumatic timer 54.024 - 3 to 100 minutes with 5/2 or 3/2 way normally open/closed timing	M5	**54.024**
Kuhnke pneumatic timer 54.025 - 0.3 to 10 hours with 5/2 or 3/2 way normally open/closed timing	M5	**54.025**
Kuhnke pneumatic timer 54.026 - 3 to 100 hours with 5/2 or 3/2 way normally open/closed timing	M5	**54.026**

Dimensional drawings

On delay

Off delay
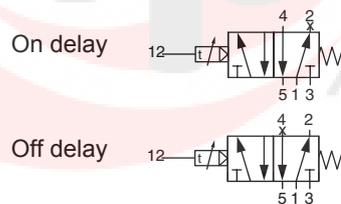
To set the pneumatic timer, move the red and black timer hands to the required time setting. When air is supplied to control port 12, the pneumatic timer will begin to time. The red timing hand shows the current elapsed time/time remaining and the black hand shows the original setpoint. Upon the red hand reaching zero the valve on the back of the timer switches, it remains switched until removal of air from port 12 at which point the valve returns to its spring condition, and the red hand returns to its last setpoint. Upon re-application of air to control port 12 the device will once again begin timing.