

Air Timers

Air Timers Delay Signal

Air timers are used to delay the air signal coming in or out of an air component. Depending on the model, the delay may be adjusted from 0.75 to 60 seconds. Input port is indicated by a yellow dot.

Timers are available in either normally closed (NC) or normally open (NO) models. Normally closed models are used to time in and normally open models are used to time out. Once set, timers are accurate for repeatability to 10% with regulated air pressure.



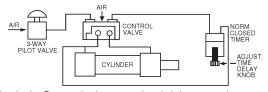
Ordering information and dimensions:

Model Number

Normally Closed	Normally Open	Range	Length	Width	Height
KLC-101	KLH-101	O - 1 sec.	101.6mm	25.4mm	38.1mm
KLC-105	KLH-105	0.75 - 6 sec.	101.6mm	25.4mm	38.1mm
KLC-110	KLH-110	1 - 11 sec.	101.6mm	25.4mm	38.1mm
KLC-212	KLH-212	15 sec - 2min.	123.83mm	38.1mm	47.63mm
KLC-230	KLH-230	2 - 30 sec.	123.83mm	38.1mm	47.63mm
KLC-260	KLH-260	10 - 60 sec	123.83mm	38.1mm	47.63mm

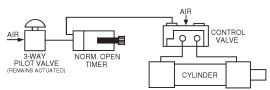
NOTE: NC timers have a green spool; NO timers have a red spool. For specific timers, consult factory.

Timing In (Normally Closed) Circuit



In this circuit, the 3-way valve is actuated and air is sent to the control valve. The control valve shifts, sending air through port A to the cylinder, which extends. Air also flows to the timer where it begins to time to the presetting. Once reached, the timer opens, allowing the air to flow through to the control valves other pilot port, shifting the valve back. Air flows through port B, retracting the cylinder.

Timing Out (Normally Open) Circuit



When the 3-way valve is actuated, air flows through the NO timer to the control valve. The 3-way valve remains actuated. The control valve shifts, sending air through port A to the cylinder, which extends. At the same time, the timer begins to time to the pre-setting. Once reached, the timer closes, blocking off the air flow to the control valve, which spring returns. Air flows through port B, retracting the cylinder.

General Specifications

Filtration: 40 Micron filtration recommended

Lubrication: 30 wt. non-detergent oil

Pressure Range: 50-150 PSI (NC); 40-150 (NO)

Mounting: (2) 4.5mm clearance holes

Life Expectancy: 1,000,000 cycles

Temperature Range: 10° C to 49° C

Port Sizes/Material: 1/8" / Acrylic