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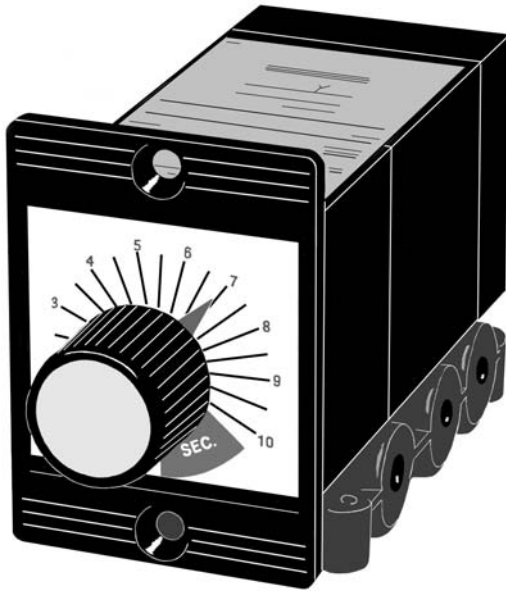
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Important Note

The information shown in these documents is for guidance only. No liability is accepted for any errors or omissions. The designer or user is solely responsible for the safe and proper application of the parts, assemblies or equipment described.

Panel or Subplate Mounted Pneumatic Timer

(Up to 3 Minutes)



Panel Mounted PMT
timer with SPA1B
subplate

The Type PMT timer is an adjustable precise time delay control device. The timer is available with an on delay (NC) output.

Timing operation is dependent upon the input of a separate control signal which starts the timing sequence by setting a vacuum within the timer. Using atmospheric pressure (independent of line pressure), the timer begins the preset timing cycle. At the end of the cycle an internal 3 way valve is switched providing an output. The timer resets automatically after removal of the control signal.

The PMT has a separate subplate enabling the unit to be supplied with 10-32 or 1/8 NPT porting. The timer can be panel mounted with a bezel, or in the rear on a sub plate.

Technical Specifications

Op. Pressure:

15 to 100 PSI

Connections:

10-32 or 1/8 NPT ports
via bottom sub plate

Control Pressure:

(A) Low Press. – 15 to 100PSI
(B) Standard – 30 to 100 PSI

Media:

Filtered air or non-aggressive
gas, non-lubricated.

Timing Valve:

Cv - .005
Flow @ 100 PSI -.1 CFM

Dial Indicator:

Displays set time.

Timing Start:

Application of pilot pressure
to control port.

Reset:

Automatic by removal of
pilot signal.

Reset Time:

60 ms @ 50 PSI

Repeatability:

± 3% of selected time.

Time Setting:

Via adjustment knob.
Accuracy ±10%

Operation:

Timing cycle uses
atmospheric pressure
drawn into vacuum.

Air Consumption:

.1 CFM @ 100 PSI

Materials:

Acetal and polycarbonate
enclosure. Diaphragms-
Buna N

Operating Ambient:

0°C to 65°C (32°F to 150°F)

Dimensions (inches):

(including sub plate)
Height – 2 1/16
Width – 1 1/2
Depth – 4 1/4

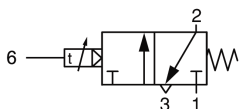
Mounting:

Via sub plate (2 holes) or if
Panel mounted, through a
1 1/2 " square cutout.
2 mounting holes required,
hardware included.

Selection Chart

Timing Range	Catalog Number		
	Subplate Mounting	Panel Mount Vertical Bezel	Panel Mount Horizontal Bezel
0.3 to 3 Seconds	PMT1D1B3	PMT1D2B3	PMT1D3B2
1 to 10 Seconds	PMT1E1B3	PMT1E2B3	PMT1E3B2
3 to 30 Seconds	PMT1F1B3	PMT1F2B3	PMT1F3B2
6 to 60 Seconds	PMT1G1B3	PMT1G2B3	PMT1G3B2
12 to 120 Seconds	PMT1H1B3	PMT1H2B3	PMT1H3B2
18 to 180 Seconds	PMT1J1B3	PMT1J2B3	PMT1J3B2

Diagram



Port Identification

- 6 - Control input signal.
- 1 - Air supply.
- 2 - Valve output.

Subplate (Required)

The PMT, whether panel or base mounted, requires a subplate for connecting fittings and air lines. Several types are available to suit connection needs. The subplate is supplied loose and unmounted, as a separate item.

Port Location	Catalog Number	
	10-32 Ports	1/8 NPT
3 Bottom ports	SPA1A	SPA2A
6 Side ports	SPA1B	SPA2B
6 Side and 3 Bottom ports	SPA1C	SPA2C

Low Pressure Version

The PMT standard control input pressure range is 30 to 100 PSI. For a low pressure pilot actuator (15 PSI min.), change the “B” in the catalog number to “A”.

Subplate Mounting Position

Standard timers are supplied with the subplate mounting position at the bottom of the timer. For mounting the subplate in another position, change the last digit of the catalog number as follows: 1 for top; 2 for right side; 3 for bottom; 4 for left side.

Power Connections

For installations requiring larger output valves, use the standard timer and connect a pneumatically operated single air piloted 3 or 4 way valve of the size required to the timer output. Contact factory with size requirements.

Typical Circuits

See typical timing circuit diagrams at the end of the timer catalog section for help in constructing pneumatic timer circuits.