

The PMT Series Pneumatic Timer is made to be used with most standard spool type (spring return—dented) valves of all leading brands of air logic. This timer has a logic output and is designed to operate the control pilot of the receiving valve. The timer is shipped as shown above with mounting screws and gasket. A subplate manifold (enables unit to be supplied with 10—32 or 1/8 NPT porting) is available but must be ordered separately.

TECHNICAL SPECIFICATIONS:

OPERATING PRESSURE:

15 - 100 PSI

CONNECTIONS:

10-32 or 1/8 NPTF ports via subplate (must be ordered separately)

CONTROL PRESSURE:

(A) Low Pressure 15 to 100 PSI

(B) High Pressure 30 to 100 PSI

MEDIA:

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

TIMING VALVE:

CV - .005

Flow at 100 PSI - .1 CFM

TIMING START:

Continous application of pilot pressure to control port.

RESET:

Immediately resets upon removal of pilot pressure independent of whether the time interval has elapsed or not.

RESET TIME:

60 ms at 50 PSI

REPEATABILITY;

± 3%

TIME SETTING:

Via adjustment knob.

Accuracy \pm 10%

OPERATION:

On—delay Time delay upon energization. Application of air to control (pilot) port.

AIR CONSUMPTION:

.1 CFM at 100 PSI

MATERIALS:

Acetal and Polycarbonate enclosure, Diaphragms are Buna N.

OPERATING AMBIENT:

0°C to 65°C (32°F to 150°F)

HOW TO ORDER:



TYPE OF DPERATION

1=0n-delay
Time delay upon
energization,
Immediate reset
upon de-energization

TIME RANGES

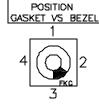
D = 0.3 - 3 seconds E = 1.0 - 10 seconds F = 3.0 - 30 seconds

G = 6.0 - 60 seconds

H = 12 - 120 seconds

J = 18 - 180 seconds

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MINIMUM PILOT PRESSURE

A = Low Pressure

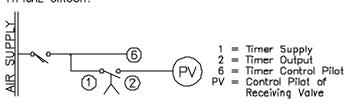
15 PSIG B = High Pressure 30 PSIG

MOUNTING STYLE

1 = Subplate Mount2 = Panel Mount

(Vertical Bezel)
3 = Panel Mount
(Horizontal Bezel)

TYPICAL CIRCUIT:



ELLIS/KUHNKE CONTROLS

LLLIS/ NOTHING OUTTINGLS						
DRAWN BY EJL	7/26/00	SUBPLATE MOUNT				
CHECKED		PMT SERIES TIMERS				
ISSUED		SIZE FS	SCM N		DWG. NO. ST	MLE 1
						SHEET 1 OF 2