

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:**  
 Continuous 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 ± 10%

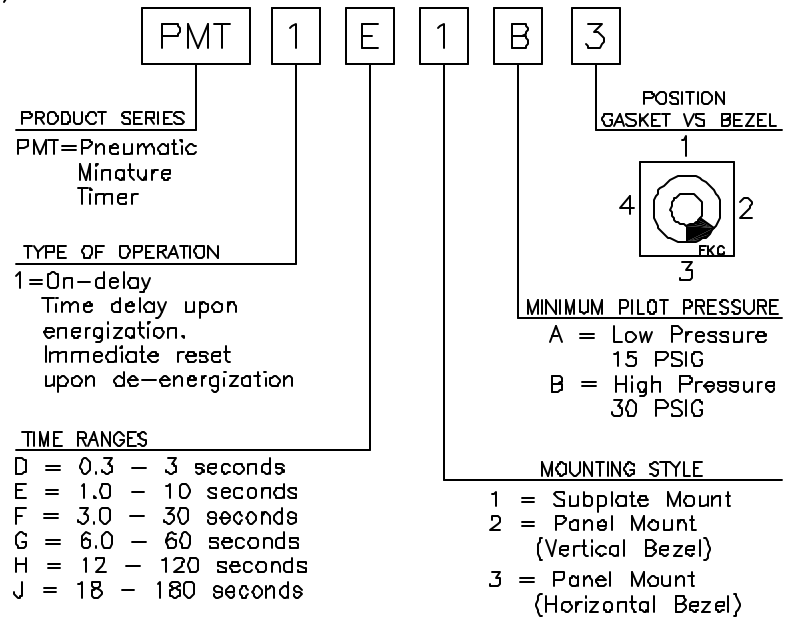
**OPERATION:**  
 On-delay Time delay upon energization.  
 Application of air to control (pilot)  
 port.

**AIR CONSUMPTION:**  
 .1 CFM at 100 PSI

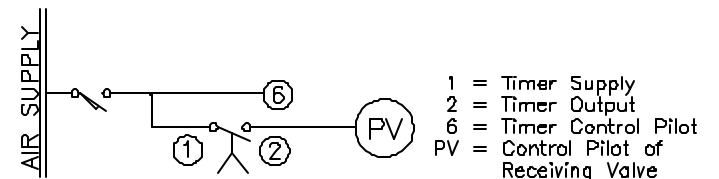
**MATERIALS:**  
 Acetal and Polycarbonate enclosure,  
 Diaphragms are Buna N.

**OPERATING AMBIENT:**  
 0° C to 65° C (32° F to 150° F)

**HOW TO ORDER:**

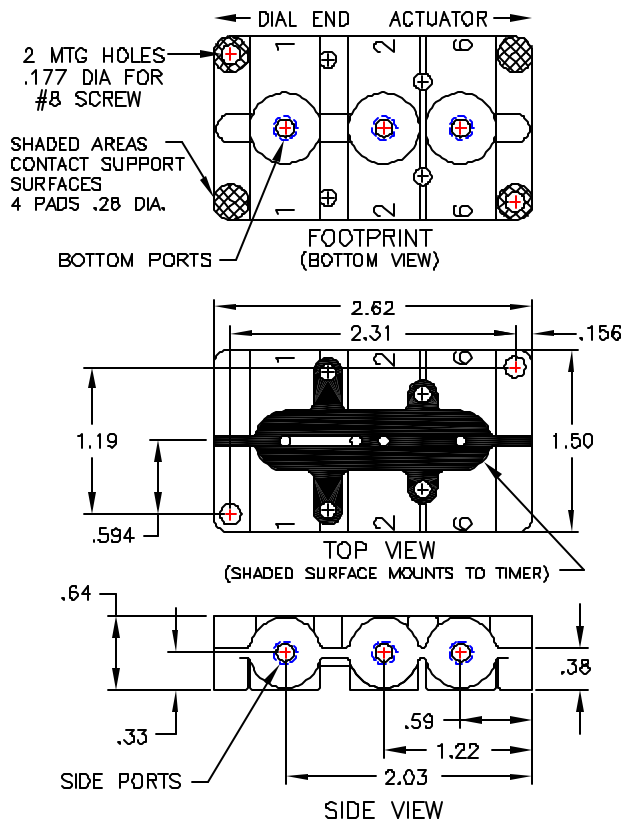


**TYPICAL CIRCUIT:**

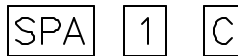


<b>ELLIS/KUHNKE CONTROLS</b>					
DRAWN BY	EJL	7/26/00	SUBPLATE MOUNT PMT SERIES TIMERS		
CHECKED			SIZE	FSCM NO.	DWG. NO.
ISSUED			B		STYLE 1
					SHEET 1 OF 2

## (OPTIONAL) SPA SERIES SUBPLATE-MANIFOLD



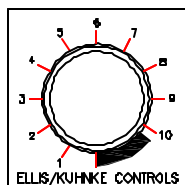
### HOW TO ORDER:



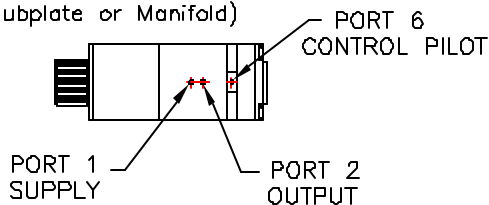
**PRODUCT IDENTIFIER**  
 SPA = PMT Subplate  
 Subplate  
 Pneumatic  
 Accessory

**PORT TAPPING**  
 1 = #10-32 Female  
 Straight Thread  
 2 = 1/8" NPTF Female  
 Pipe Thread

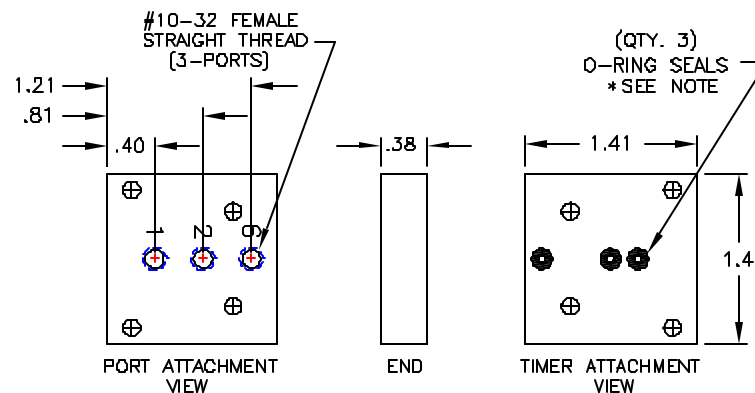
**PORT LOCATIONS & NO. OF CONNECTIONS**  
 A = 3 bottom ports only  
 B = 6 side ports only  
 C = 6 side ports and 3 bottom ports



### TIMER PORT LOCATIONS: (W/O Subplate or Manifold)

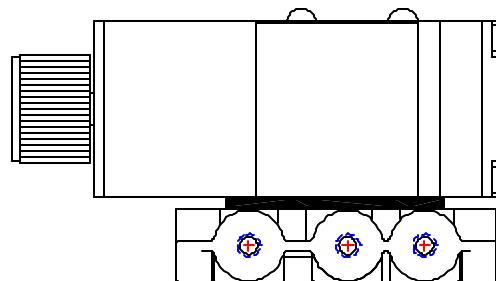


## (OPTIONAL) MFD1A MANIFOLD

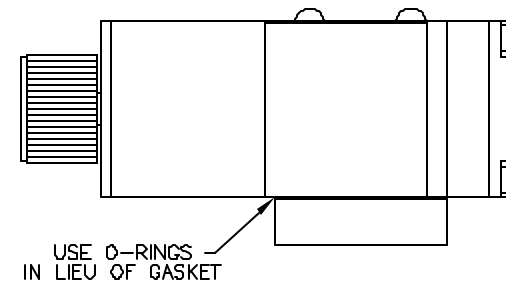


\* NOTE: DISCARD SUBPLATE GASKET THAT IS SUPPLIED WITH TIMER WHEN USING THIS MANIFOLD. THE O-RING SEALS PROVIDED WITH MANIFOLD ARE TO BE USED IN LIEU OF THAT GASKET.

### TIMER & SPA1C



### TIMER & MFD1A



## ELLIS/KUHNKE CONTROLS

DRAWN BY	EJL	7/26/00	SUBPLATE MOUNT PMT SERIES TIMERS	
CHECKED			SIZE	B
ISSUED			FSCM NO.	
			DWG. NO.	STYLE 1
			SHEET 2 OF 2	