

# PARTS LIST

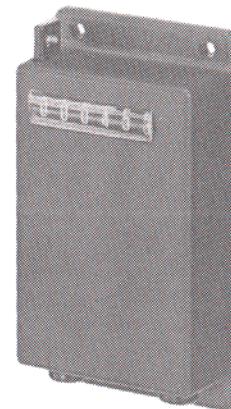
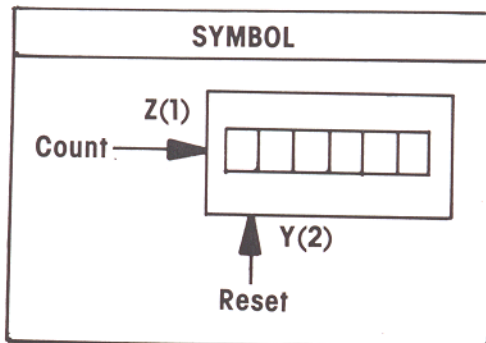
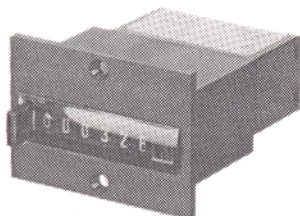
## ARO PNEUMATIC LOGIC CONTROL LOGIC FUNCTION ASSEMBLY

### ARO PNEUMATIC TOTALIZING COUNTERS

**MODELS 59801  
59836**

FORM 799-2

REV. 5/92



**IMPORTANT: READ THIS MANUAL CAREFULLY BEFORE INSTALLING,  
OPERATING OR SERVICING THIS EQUIPMENT.**

#### DESCRIPTION

Model 59801 and Model 59836 Pneumatic Counters provide a visual readout of the total number of pneumatic pressure pulses it receives at rates up to 1200 counts per minute. The counters advance one-half figure when the count signal is pressurized and then advances the remaining one-half figure when the signal is exhausted. Each pneumatic pulse increases the numeric indication by one. Counters Model 59801 and Model 59836 can be reset to zero by manually depressing the reset push button or by a pneumatic pressure signal at the reset port.\* Counter Model 59801 is designed for panel mounting, while Model 59836 is designed for surface mounting. Both operate on dry, filtered (20 micron), and non-lubricated compressed air.

\*No count Signals are to be present during the reset cycle.

#### SPECIFICATIONS

Indication: 6 Figures, 5/32 high  
Counter Drive: Rise Pressure  
Fall-off Pressure  
Working Pressure  
Maximum Pressure  
Maximum Cycle Rate  
Minimum Signal Duration  
Pressure Signal  
Exhaust Signal

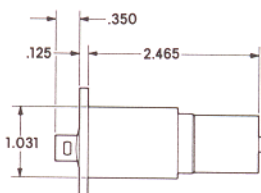
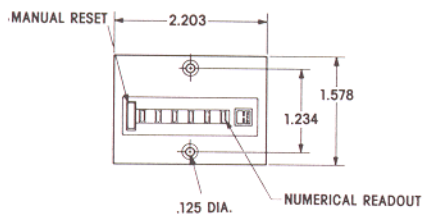
> 12 PSI  
< 5 PSI  
30 to 85 PSI  
115 PSI  
20 per sec.

Reset,  
Pneumatic: Minimum Pressure 30 PSI  
Maximum Pressure 115 PSI  
Minimum Signal Duration 0.3 sec.  
Maximum Signal Duration ∞

.025 sec.  
.025 sec.

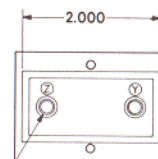
#### INSTALLATION

Counter Model 59801 may be panel mounted.  
Fits panel opening 1-1/16" high x 2-1/32" wide.



**MODEL 59801**

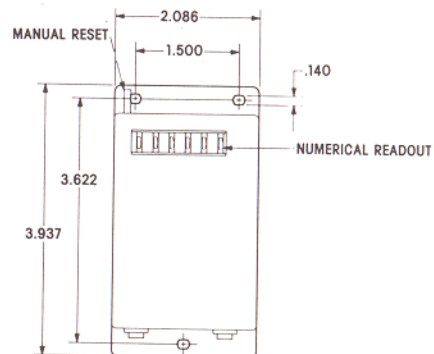
INSTANT TUBING CONNECTION  
FOR .156 O.D. TUBING



**MODEL 59836**



INSTANT TUBING CONNECTION  
FOR .156 O.D. TUBING



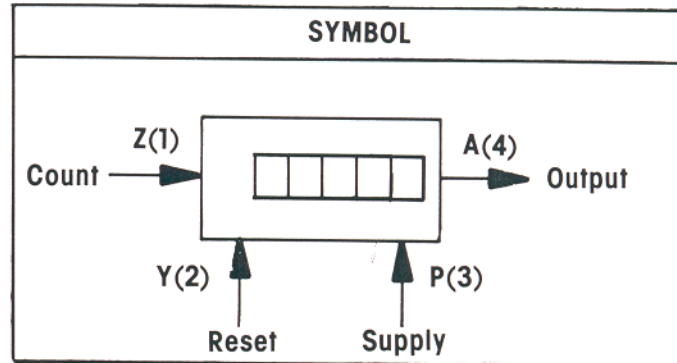
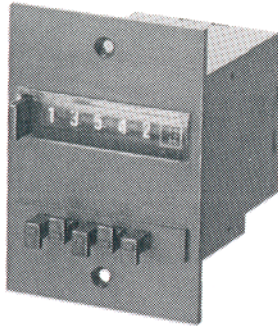
# PARTS LIST

## ARO PNEUMATIC LOGIC CONTROL LOGIC FUNCTION ASSEMBLY

### ARO PNEUMATIC PREDETERMINING COUNTER

MODEL 59802

REV. 1/89



### DESCRIPTION

Model 59802 Predetermining Counter provides a pneumatic output signal at the end of a preselected count. In operation, each pneumatic pulse decreases the numeric indication by one. When the counter reaches an indication of 0000, a built-in pneumatic valve switches to open providing an output signal.

Model 59802 can be reset to the preselected number by manually depressing the reset button or by a pneumatic pressure signal at the reset port.\* The preselected number is changed by depressing the reset push button, opening the cover above the indication dial, and actuating the preselect buttons until the desired numerical value is present.

\*No count signals are to be present during reset cycle.

The Model 59802 counter is designed for panel mounting and operates on dry, filtered (20 micron), and non-lubricated compressed air.

### SPECIFICATIONS

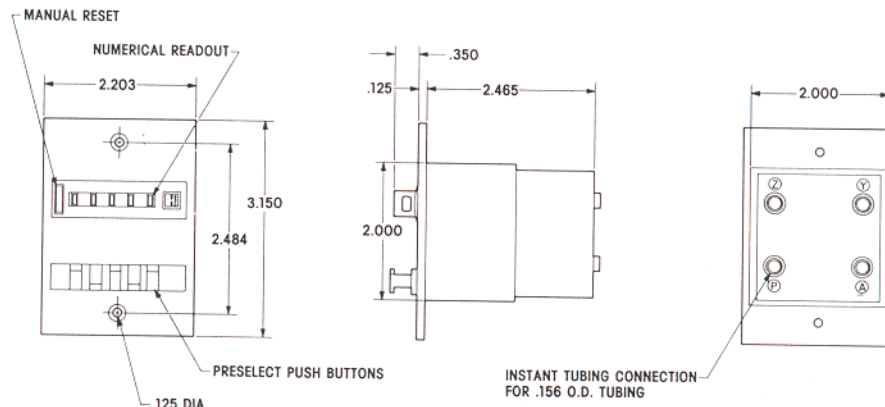
Indication:	4 Figures, 5/32 high			Reset,	
Counter Drive:	Rise Pressure	> 12 PSI		Pneumatic:	
	Fall-off Pressure	< 5 PSI		Minimum Pressure	30 PSI
	Working Pressure	30 to 85 PSI		Maximum Pressure	115 PSI
	Maximum Pressure	115 PSI		Minimum Signal Duration	0.3 sec.
	Minimum Signal Duration			Maximum Signal Duration	
	Pressure Signal	.05 sec.			
	Exhaust Signal	.05 sec.			

### Output Valve:

Port "P" supply connection for output: Minimum Pressure 30 PSI Maximum Pressure 115 PSI

Port "A" output connection open to exhaust during counting cycle; when counter reaches "0000",

Port "A" is pressurized from the supply at Port "P". Flow at 100 PSI = 4.5 SCFM



### INSTALLATION

Counter may be panel mounted. Fits panel opening 2-1/64" square.