

PARTS LIST

ARO PNEUMATIC LOGIC CONTROL LOGIC FUNCTION ASSEMBLY

MODELS 59803

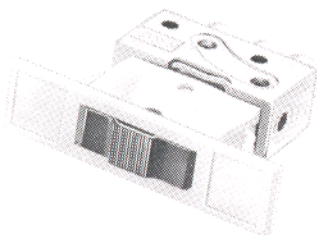
59803-1 59811-1

59804 59811-3

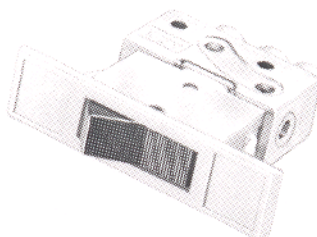
59804-1

FORM 747-2
REV. 3/88

ARO PANEL MOUNTED MINIATURE 3-WAY PNEUMATIC CONTROL VALVES AND PNEUMATIC INDICATOR



**MODEL 59803 and 59803-1
PUSH BUTTON (59803-1 Shown)**



**MODEL 59804 and 59804-1
SELECTOR (59804-1 Shown)**



**MODEL 59811-1 and
59811-3 INDICATOR**

DESCRIPTION

Models 59803 & 59803-1 miniature panel mounted push button operated valves, (momentary). Models 59804 & 59804-1 are miniature panel mounted rocker operated selector valves, (maintained). Models 59811-1 (red) & 59811-3 (green) are miniature panel mounted pressure indicators. Models 59803-1 and 59804-1 have 3 "instant" tube connections. Use nylon tubing Model 59690-. Models 59803, 59804, and 59811-1 have 1/8-27 NPTF pipe connections.

OPERATING PRESSURE RANGE

30 to 150 P.S.I.G.

TEMPERATURE RANGE

+32°F to +160°F

INSTALLATION

Pressure regulation is recommended for applications where optimum repeatability is required. Filtration is recommended to assure clean, dry air supply.

ACCESSORIES

Model 59724 — Legend plate sheet — contains 6 blanks and 2 each of 37 different legends. (Consult catalog for details.) Available in white background (-1), black background (-2), green background (-3) and red background (-4).

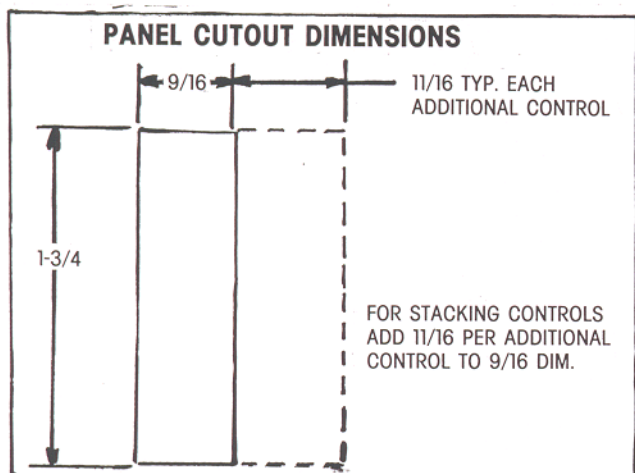
Model 59756-1 thru 6 mounting plates.

FLOW CHARACTERISTICS

Approx. 7.0 SCFM (90 P.S.I.G.
supply, 75 P.S.I.G. outlet)
Capacity factor = $C_v = .196$

PORT DESIGNATION (MODELS 59803-1 & 59804-1)

Port	Function
1	IN NON-PASSING
2	OUTPUT
3	IN-PASSING

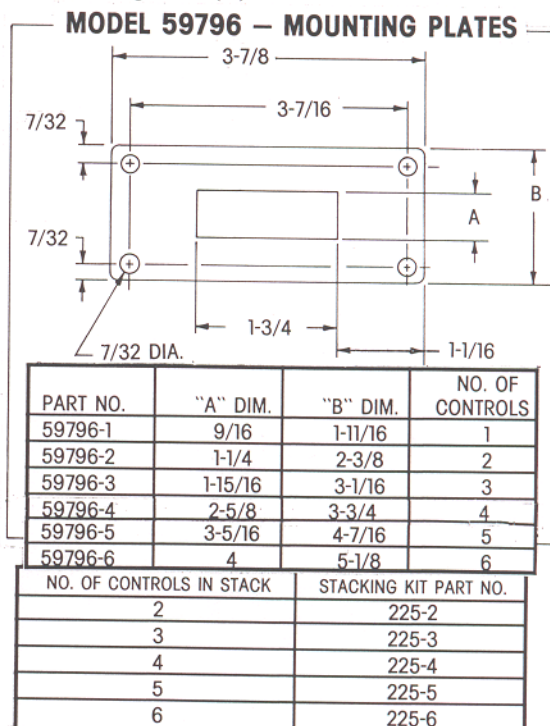


NOTE:

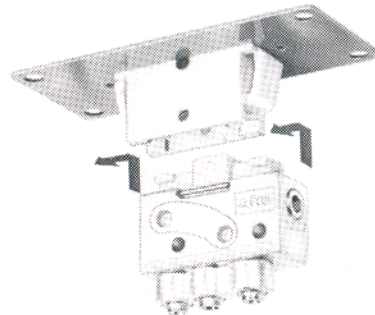
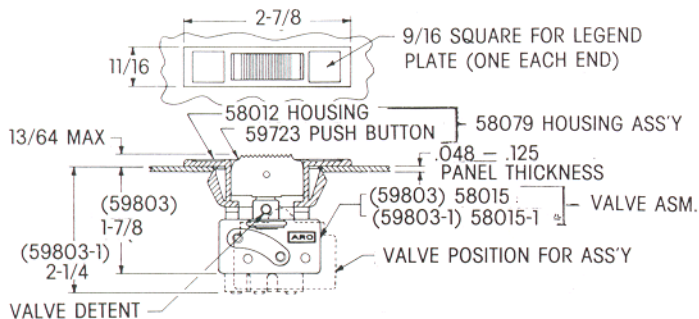
Models 59803 & 59803-1, 59804 & 59804-1 may be stacked to utilize a common inlet port.

NOTE:

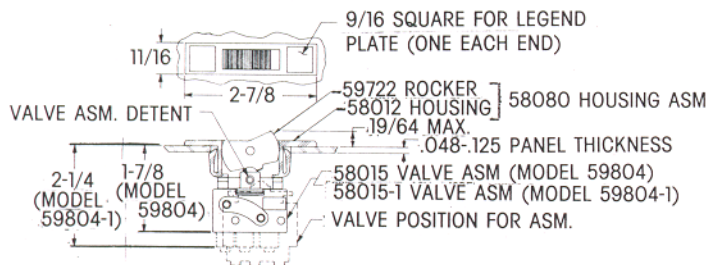
Models 59803-1 & 59804-1 stacked valves may be piped NON-PASSING ONLY & unused inlet (1) ports must be plugged with 59463 (pkg of 10) plugs. Stacking kits required are shown at side, and must be ordered separately.



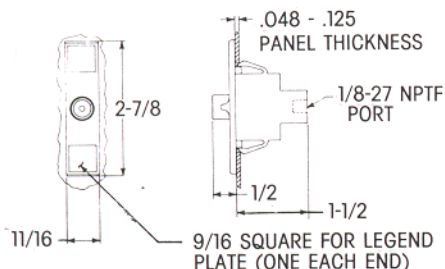
MODEL 59803 & 59803-1



MODEL 59804 & 59804-1



MODEL 59811-1, 59811-2 & 59811-3

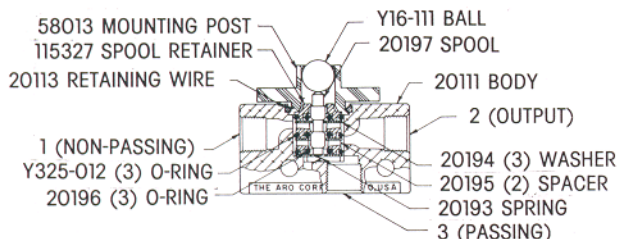


ASSEMBLY — MODELS 59803 & 59803-1, 59804 & 59804-1 To assemble Models 59803, 59803-1 and 59804, 59804-1 to a panel, place 58012 housing and actuator through the panel opening from the front of the panel. Insert the remainder of the control assembly into the housing from the rear of the panel. Position valve as shown, push into housing, and slide valve to center of housing. Valve detent will snap into hole in the housing. In order to facilitate assembly of multiple units in a panel, outboard units should be installed last.

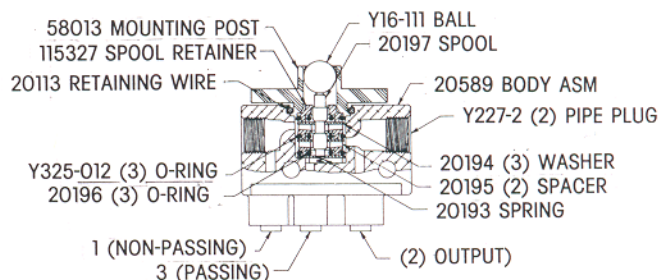
ASSEMBLY

MODEL 59811- To assemble Model 59811- to a panel, insert assembly through the panel opening from the front of the panel.

MODEL 58015 VALVE



MODEL 58015-1 VALVE



SERVICE

In event of control malfunction:
 Check rocker or pushbutton actuation for full valve actuation.
 Check Y325-012 and 20196 O-rings for wear or rupture.
 Check 20193 spring for breakage.
 Check rocker or pushbutton for excessive wear.
 Check valve and housing for correct assembly.