

## Description

The YMC Switch Series combine manually actuated gradual switches with selector switches.

The YMC-1001, gradual switch, is designed to deliver a variable, selected air pressure from the branch line to a remote device. The YMC-1001 is used in pneumatic control circuits to remotely position devices and adjust receiver-controller set-points.

The YMC-2001 and 2002 models have two selector switches, the YMC-3001 and 3002 have three switches and the YMC-6001 has six positions.

Typical application for these switches include diverting and supply/exhaust of pneumatic signals to other devices.

A variety of scale plates are available. A mounting bracket for panel mounting is also available.



## Model

YMC-1001	Gradual switch
YMC-2001	2-position switch, DPDT, non-vented
YMC-2002	2-position switch, DPDT, vented
YMC-3001	3-position switch, non-vented
YMC-3002	3-position switch, vented
YMC-6001	6-position, non-vented

## Accessories

HMO-4506 Mounting bracket

### Scale Plates All Models

HDO-1101 Blank

### Scale Plate YMC-1001

HDO-1102 0 to 100%

HDO-1103 Increase CW arrow

HDO-1104 Increase CCW arrow

### Scale Plate YMC-2001/2002:

HDO-1201 Occupied- Unoccupied

HDO-1202 Summer-Winter

HDO-1203 On-Off

HDO-1204 On-Auto

HDO-1205	Open-Close
HDO-1206	1-2
HDO-1207	Day-Night
HDO-1208	Heat-Cool
HDO-1209	Manual-Auto

### Scale Plate YMC-3001/3002:

HDO-1301	1-2-3
HDO-1302	On-Auto-Off
HDO-1303	Day-Auto-Night
HDO-1304	Occ.-Auto-Unocc.
HDO-1305	Heat-Auto-Cool
HDO-1306	Summer-Auto-Winter
HDO-1307	Open-Auto-Close

### Scale Plates YMC-6001:

HDO-1601	1-2-3-4-5-6
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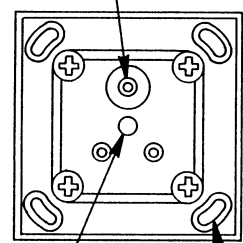
**NOTE:** Scale plates are sold in packs of ten.

## Details

All dimensions in inches (mm).

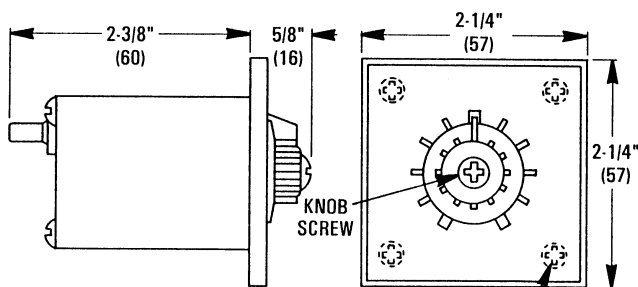
### YMC-1001 Model

PUSH-ON CONNECTIONS FOR  
3/16" (5) ID FR TUBING



EXHAUST HOLE-  
DO NOT PLUG

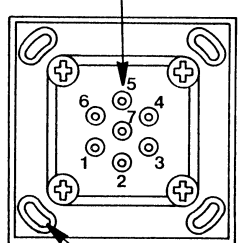
4 MOUNTING SLOTS ALLOW  $\pm 5^\circ$   
ROTATIONAL ALIGNMENT



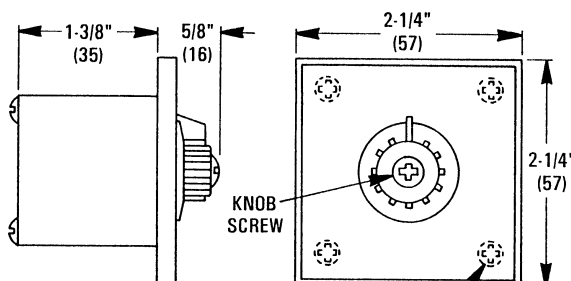
MTG. SCREWS ARE CONCEALED  
BEHIND PLATE WHEN MOUNTED

### YMC-2001, 2002, 3001, 3002, & 6001 Models

PUSH-ON CONNECTIONS FOR  
3/16" (5) ID FR TUBING



4 MOUNTING SLOTS ALLOW  $\pm 5^\circ$   
ROTATIONAL ALIGNMENT



MTG. SCREWS ARE CONCEALED  
BEHIND PLATE WHEN MOUNTED

### SWITCH PATTERN

MODELS	POSITION	PORTS CONNECTED
YMC-2001, 2002	Left	2-1; 5-4
	Right	2-3; 5-6
YMC-3001, 3002	Left	7-1
	Center	7-2
	Right	7-3
YMC-6001	1	7-1
	2	7-2
	3	7-3
	4	7-4
	5	7-5
	6	7-6

## Specifications

**Supply Pressure** 30 psig (207 kPa) max

### Air Capacity

YMC-1001 28.8 (7.87 mL/s)

YMC-2000/3000/6001 576 scim (157.4 mL/s)

### Air Consumption

YMC-1001 28.8 (7.87 mL/s)

YMC-2000/3000/6001 None

**Output Range** YMC-1001 2-18 psig (14-124 kPa) equals 0-100%

**Branch Ports** YMC-1001, B1 and B2 internally connected. Cap if unused.

**Connections** 3/16" (5 mm) nipples for 1/4" (6 mm) O.D. polyethylene tubing.

### Temperature Limits

Operating 40° to 120° F (4° to 49° C)

Shipping -40° to 140° F (-40° to 60° C)

### Material

Housing: Beige ABS, UL Flame Class 94 HB; Scale plates: aluminum

### Weight:

YMC-1001 3 oz (85 grams)

YMC-2,3,6001 2 oz. (57 grams)

## !CAUTION

Pneumatic devices MUST operate with CLEAN, DRY, control air. Any other medium will result in the device's eventual failure.

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