

**BULLETIN 800MR MOUNTING INSTRUCTIONS  
PUSH BUTTON OPERATORS AND COMPLETE UNITS**

**MOUNTING INSTRUCTIONS**

1. Remove the mounting ring from the bushing.  
**MUSHROOM HEAD BUTTONS ONLY** — To remove button, unscrew the mounting ring and pull the button assembly out. Reverse this procedure for mounting.
2. Select the proper combination of gaskets for the panel thickness from Table 1 and install them on the bushing.
3. Insert the bushing through the panel from the rear. The surface marked "TOP" should be in line with the anti-turn notch in the panel.
4. Install the legend plate (or positioning ring) on the bushing, in line with the anti-turn notch in the panel.
5. Turn the mounting ring onto the bushing until it stops; tighten to compress the gaskets and to secure the unit on the panel.

Note: To remove the entire unit from the panel, reverse Steps 3, 4 and 5.

**TERMINATIONS**

**Quick Disconnect Type** — Each terminal will accept one or two .110" x .032" (18-22 AWG wire, or one .250" x .032" (14-16 AWG wire), female connectors, such as Allen-Bradley Catalog Number 1699-NT2 or Amp. Number 42332-2 (see Allen-Bradley Publication 800M-2.0 for a complete list of recommended connectors).

**Small Screw Type** — Each terminal will accept one or two 18-22 AWG wires or one 14 AWG wire. Strip 7/16" (11 mm) of insulation from end of wires, insert wires in terminal and tighten terminal screw securely (6 lb.-ins. (68 Nm) maximum).

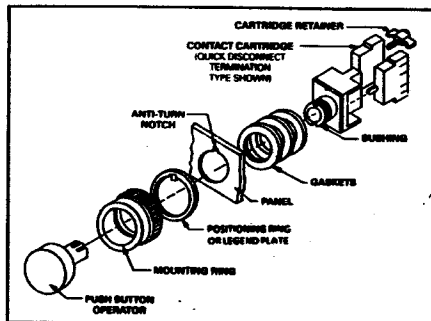
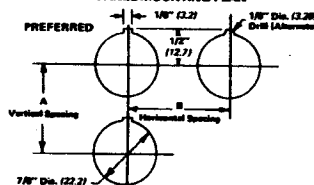
**Large Screw Type** — Each terminal will accept up to two 12 AWG wires, strip 3/8" (9.5 mm) of insulation from end of wires. Place wires under pressure plate and tighten terminal screw securely (9 lb.-ins. (1.0 Nm) recommended in UL498).

Panel	.067" (1.7) Gasket (Black)	.034" (.9) Gasket (Red)
1/16" (1.6)	3 Plus	2
3/32" (2.4)	3 Plus	1
1/8" (3.2)	3 Plus	0
5/32" (4.0)	2 Plus	1
3/16" (4.8)	2 Plus	0
7/32" (5.6)	1 Plus	1
1/4" (6.4)	1 Plus	0

For intermediate panel thickness, use the combination specified for the next smaller panel listed above. Panels thicker than 1/4" (6.4) must be counterbored 2" diameter (50.80) minimum to 1/4" (6.4).

Accessory Item Catalog No. 800M-N18 is available to insulate the metallic panel mounting bushing, fulfilling CSA grounding requirements. This insulation boot is used in place of a black gasket thereby reducing the number of black gaskets required by one. Also, the maximum panel thickness is reduced to 3/16" (4.8) because a minimum of one black gasket is required to assure an airtight seal.

**PANEL MOUNTING PLAN**



Note: Dimensions shown in parentheses are in millimeters.

Type of Unit	A Min.	B Min.
Button 800MR Std. Legend Plate	1-1/4" (31.8)	1-1/4" (31.8)
Button 800MR Large Legend Plate	1-1/2" (38.1)	1-1/4" (31.8)
All Wing Lever Selector Switches	2-1/4" (57.2)	2-1/4" (57.2)
All with Large Screw Terminal Contact Blocks Except Wing Lever Selector Switches	1-3/8" (40.0)	1-1/4" (31.8)
Button 800MR all with Guarded Mushroom Head	1-1/2" (38.1)	1-1/2" (38.1)

40060-171-01 (E)  
Printed in U.S.A.



<b>REFERENCES</b>		<b>BULLETIN 800MR</b>		<b>WAS</b>	
<b>REVISION</b>	<b>RELEASE</b>	<b>DIMENSIONS APPLY BEFORE SURFACE TREATMENT</b>	<b>PUSH BUTTON OPERATORS, SELECTOR SWITCH OPERATORS AND COMPLETE UNITS INSTRUCTION SHEETS</b>		
3	3572-87	<b>DIMENSIONS IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED</b>	<b>DR. G. USHAKOW</b>		
4	3000-90	<b>3 PLACE DECIMAL XXX ±</b>	<b>DATE 3-8-88</b>	<b>SHEET 1 OF 2</b>	
5	3348-96	<b>3 PLACE DECIMAL XXX ±</b>	<b>CHKD. S. Koch</b>	<b>DATE 3-17-88</b>	<b>P.W.O. SIZE B 40060-171</b>
<b>REF. BOOK</b>		<b>ANGLES ±</b>	<b>APPD. K. Kramit</b>	<b>DATE 3-21-88</b>	

SELECTOR SWITCH OPERATORS AND COMPLETE UNITS

MOUNTING INSTRUCTIONS

1. Remove the mounting ring from the bushing.
2. Select the proper combination of gaskets for the panel thickness from Table 1 on the opposite side and install them on the bushing.
3. Insert the bushing through the panel from the rear. The surface marked "TOP" should be in line with the anti-turn notch in the panel.
4. Install the legend plate (or positioning ring) on the bushing, in line with the anti-turn notch in the panel.
5. Turn the mounting ring on the bushing until it stops; tighten to compress the gaskets and to secure the unit on the panel.

Caution: The knob includes a clear plastic insert which is required for proper knob retention. This insert must not be removed.

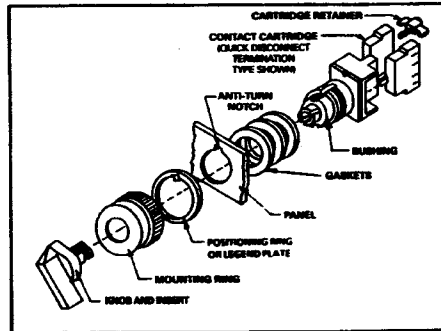
6. Snap the knob into the shaft in relation to the keying slot in the shaft.
- Note: The knob may be removed by prying off with a screwdriver blade inserted under the knob handle.
- Note: To remove the unit from the panel, reverse Steps 3, 4, 5 and 6.

TERMINATIONS

Quick Disconnect Type — Each terminal will accept one or two .110" x .032" (18-22 AWG wire), or one .250" x .032" (14-16 AWG wire), female connectors, such as Allen-Bradley Catalog No. 6033-NT2 or Amp. No. 42332-2 (see Allen-Bradley Publication 800M-2.0 for a complete list of recommended connectors).

Small Screw Type — Each terminal will accept one or two 16-22 AWG wires or one 14 AWG wire. Strip 7/16" (11 mm) of insulation from end of wire(s), insert wire(s) in terminal and tighten terminal screw securely (6 lb.-ins. (.68 Nm) maximum).

Large Screw Type — Each terminal will accept up to two 12 AWG wires, strip 3/8" (9.5 mm) of insulation from end of wire(s). Place wire(s) under pressure plate and tighten terminal screw securely (9 lb.-ins. (1.0 Nm) recommended in UL486).



# 4

DO NOT WRITE IN THIS AREA

-01	E	TWO SIDES PRINTED BODY STOCK WHITE INK BLACK	5-1/2" W x	5-1/2" W x 5" H
			1-1/4" H	
			FOLDED	FLAT

PART NO.	CHG. LTR.	MATERIAL	SIZE
----------	-----------	----------	------

REFERENCES	BULLETIN 800MR		WAS
REVISION	DIMENSIONS APPLY BEFORE SURFACE TREATMENT		<b>ALLEN-BRADLEY</b> MILWAUKEE, WISCONSIN
RELEASE	PUSH BUTTON OPERATORS, SELECTOR SWITCH OPERATORS AND COMPLETE UNITS INSTRUCTION SHEETS		
3 3572-87	DIMENSIONS IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED		SHEET 2 OF 2
4 3000-90	2 PLACE DECIMAL LXXX		
5 3348-96	±		DWG. SIZE <b>40060-171</b>
	3 PLACE DECIMAL LXXX		
REF. BOOK	ANGLES ±		
	DR. G. USHAKOW	DATE 3-8-88	
	CHKD. <i>S. Kuzel</i>	DATE 3-17-88	
	APPD. <i>R. Kawaat</i>	DATE 3-21-88	