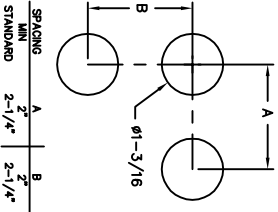


**FIG. #1 MOUNTING HOLE PATTERN**  
**MOUNTING INFORMATION**



**TABLE 1 - MOUNTING GASKETS FOR 30MM PUSH BUTTON & SELECTOR SWITCHES**

LENS THIN (0.000)	1	2	3	5
0.086-0.132	1	1	1	1
0.133-0.165	0	0	0	0
0.166-0.238	1	1	1	1
0.239-0.291	1	1	1	1
0.292-0.324	0	0	0	0

**TABLE 2 - MOUNTING GASKETS FOR 30MM PILOT LIGHT**

LENS THIN (0.000)	1	2	3	5
0.086-0.132	1	1	1	1
0.133-0.165	0	0	0	0
0.166-0.238	1	1	1	1
0.239-0.291	1	1	1	1
0.292-0.324	0	0	0	0

**TABLE 3 - MOUNTING GASKETS FOR 30MM ILLUMINATED PUSH BUTTON OPERATOR**

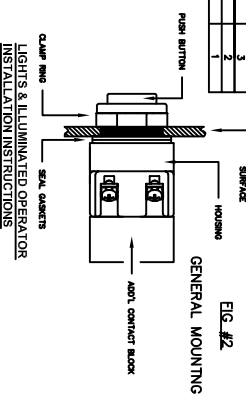
PANEL THICKNESS IN GASKETS IN GASKETS	1	2	3	5
0.086-0.132	1	1	1	1
0.133-0.165	0	0	0	0
0.166-0.238	1	1	1	1
0.239-0.291	1	1	1	1
0.292-0.324	0	0	0	0

**OPERATOR INSTALLATION INSTRUCTIONS**

- AFTER REMOVING THE OPERATOR FROM ITS PACKAGE, UNSCREW AND REMOVE THE CLAMP RING.
- TO ASSURE A GOOD SEAL, THE CORRECT NUMBER OF GASKETS MUST BE USED - REFER TO TABLE 1.
- INSERT OPERATOR HOUSING FROM THE REAR OF PANEL, THROUGH THE PANEL MOUNTING HOLE - REFER TO FIGURE 2.
- LOCATE THE PUSH BUTTON (CAP OR HANDLE) FOR PROPER ORIENTATION IN PANEL. ANY LEGEND MARKING ON OPERATOR HOUSING MUST BE ADDED AT THIS POINT.
- SECURE THE OPERATOR BY INSTALLING THE CLAMP RING. SUFFICIENT TORQUE (25 TO 30 LB-IN) WILL COMPRESS THE SEAL GASKETS MAKING THE OPERATOR TIGHT IN THE HOLE WHEN TWISTED BY HAND.
- OPERATE THE UNIT TO OBSERVE PROPER CONTACT OPERATION.

**ENVIRONMENTAL RATINGS:** THESE DEVICES ARE FOR USE ON A FLAT SURFACE OF A TYPE 1, 3, 3R, 4, 4X, 11, 12, AND 13 ENCLOSURES.

**NOTE:**  
CERTAIN SPECIAL OPERATORS REQUIRE INSTALLATION OF ADDITIONAL HARDWARE ITEMS. THESE ARE INDICATED WHEN DISASSEMBLING SOME SPECIAL OPERATORS. REFER TO THE INSTRUCTIONS ON A PANEL. FOR EXAMPLE, THE POTENTIOMETER INSTALLATION REQUIRES THAT A SET SCREW BE REMOVED FROM THE KNOB PRIOR TO MOUNTING. THE SET SCREW SHOULD BE REMOVED THROUGH HOLE IN MOUNTING SURFACE.



**GENERAL MOUNTING**

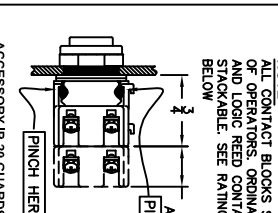
- TO ASSURE A GOOD SEAL, THE CORRECT NUMBER OF SEAL GASKETS MUST BE USED - REFER TO TABLES 1-3.
- REFER TO FIGURE 2 FOR THE POSITION OF THE CLAMP RING ON THE REAR OF PANEL, THROUGH THE PANEL MOUNTING HOLE - REFER TO FIGURE 2.
- INSTALL ANY ENVIRONMENTAL SEALS/ REFLECTORS THAT WERE PROVIDED WITH THE OPERATOR. REFER TO THE INSTRUCTIONS OF THE TYPE 4-4X ENVIRONMENTAL RATING.
- SECURE THE OPERATOR BY INSTALLING THE CLAMP RING ON THE REAR. SUFFICIENT TORQUE WILL COMPRESS THE SEAL GASKETS MAKING THE OPERATOR TIGHT IN THE HOLE WHEN TWISTED BY HAND.
- OPERATE THE UNIT TO OBSERVE PROPER CONTACT OPERATION.

**ENVIRONMENTAL RATINGS:** THESE DEVICES ARE FOR USE ON A FLAT SURFACE OF A TYPE 1, 3, 3R, 4, 4X, 11, 12, AND 13 ENCLOSURES.

**NOTE:**  
CERTAIN SPECIAL OPERATORS REQUIRE INSTALLATION OF ADDITIONAL HARDWARE ITEMS. THESE ARE INDICATED WHEN DISASSEMBLING SOME SPECIAL OPERATORS. REFER TO THE INSTRUCTIONS ON A PANEL. FOR EXAMPLE, THE POTENTIOMETER INSTALLATION REQUIRES THAT A SET SCREW BE REMOVED FROM THE KNOB PRIOR TO MOUNTING. THE SET SCREW SHOULD BE REMOVED THROUGH HOLE IN MOUNTING SURFACE.

IL100105 FRONT (REV 5)

**FIG. #2 MOUNTING HOLE PATTERN**  
**MOUNTING INFORMATION**



**TABLE 1 - MOUNTING GASKETS FOR 30MM ILLUMINATED PUSH BUTTON OPERATOR**

LENS THIN (0.000)	1	2	3	5
0.086-0.132	1	1	1	1
0.133-0.165	0	0	0	0
0.166-0.238	1	1	1	1
0.239-0.291	1	1	1	1
0.292-0.324	0	0	0	0

**TABLE 2 - MOUNTING GASKETS FOR 30MM ILLUMINATED PILOT LIGHT OPERATOR**

PANEL THICKNESS IN GASKETS IN GASKETS	1	2	3	5
0.086-0.132	1	1	1	1
0.133-0.165	0	0	0	0
0.166-0.238	1	1	1	1
0.239-0.291	1	1	1	1
0.292-0.324	0	0	0	0

**OPERATOR INSTALLATION INSTRUCTIONS**

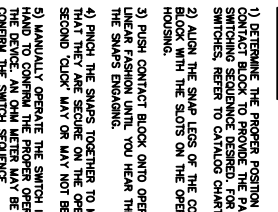
- AFTER REMOVING THE OPERATOR FROM ITS PACKAGE, UNSCREW AND REMOVE THE CLAMP RING.
- TO ASSURE A GOOD SEAL, THE CORRECT NUMBER OF GASKETS MUST BE USED - REFER TO TABLES 1-3.
- REFER TO FIGURE 2 FOR THE POSITION OF THE CLAMP RING ON THE REAR OF PANEL, THROUGH THE PANEL MOUNTING HOLE - REFER TO FIGURE 2.
- INSTALL ANY ENVIRONMENTAL SEALS/ REFLECTORS THAT WERE PROVIDED WITH THE OPERATOR. REFER TO THE INSTRUCTIONS OF THE TYPE 4-4X ENVIRONMENTAL RATING.
- SECURE THE OPERATOR BY INSTALLING THE CLAMP RING ON THE REAR. SUFFICIENT TORQUE WILL COMPRESS THE SEAL GASKETS MAKING THE OPERATOR TIGHT IN THE HOLE WHEN TWISTED BY HAND.
- OPERATE THE UNIT TO OBSERVE PROPER CONTACT OPERATION.

**ENVIRONMENTAL RATINGS:** THESE DEVICES ARE FOR USE ON A FLAT SURFACE OF A TYPE 1, 3, 3R, 4, 4X, 11, 12, AND 13 ENCLOSURES.

**NOTE:**  
CERTAIN SPECIAL OPERATORS REQUIRE INSTALLATION OF ADDITIONAL HARDWARE ITEMS. THESE ARE INDICATED WHEN DISASSEMBLING SOME SPECIAL OPERATORS. REFER TO THE INSTRUCTIONS ON A PANEL. FOR EXAMPLE, THE POTENTIOMETER INSTALLATION REQUIRES THAT A SET SCREW BE REMOVED FROM THE KNOB PRIOR TO MOUNTING. THE SET SCREW SHOULD BE REMOVED THROUGH HOLE IN MOUNTING SURFACE.

IL100105 BACK (REV 5)

**CONTACT BLOCK INSTALLATION INSTRUCTIONS**



**ACCESSORY IP-20 GUARDS:**  
Contact Blocks - Series CB --- Cat# CBP20  
Full Voltage Illum.PB & PTT Lights - Cat# FVLP20  
Transformer & Resistor Lights - Cat# MLP20

**DEVICE RATINGS**

- Factory Sealed Contact Block**
- DEVICE RATINGS:**  
CLASS 1 DIV 2 GROUP 9, C/D  
CLASS 1 ZONE 2 IIB+H2 -T8  
A600 AC:  
10AMPS, CONTINUOUS THERMAL (40)  
7200 VA (MAKE) - AC  
720 VA (BREAK) - AC  
120 VAC MAKE 6A  
30A 3A  
480 VAC 15A 1.5A  
800 VAC 12A 1.2A  
Q300 DC:  
69 VA (MAKE & BREAK)  
250 VDC

**DEVICE RATINGS (CONT.)**

- Ordinary Location Contact Block**
- A600 AC:  
10AMPS, CONTINUOUS THERMAL (40)  
7200 VA (MAKE) - AC  
720 VA (BREAK) - AC  
P300 DC:  
5AMPS, CONTINUOUS THERMAL (20)  
1200 VA (MAKE & BREAK)  
250 VDC
- Hermelic Reed Contact Block**
- DEVICE RATINGS:**  
CLASS 1 DIV 2, IIC T8  
CLASS 1 ZONE 2, IIC T8  
EX IC IIC T8 DEMO 04A1230X049135U  
EEX IC IIC T8  
LENO SERIES - 250 VAC / 40W (RES. ONLY)  
PRNO SERIES - B300/0600 (40) / 0 150 (20)  
MFRNO SERIES - C300 (40) / 0 150 (20)  
MFRNO SERIES - 250 VAC (MAX) / 40 VA (IND) / 100W (RES)

IL100105 BACK (REV 5)

11100105

REVISION	DESCRIPTION
3	UPDATE PER QUALITY TEAM-DETAIL REFLECTOR COMPANY NAME C3
4	UPDATE GASKET TABLE FOR PB'S AND SELECTOR SWITCHES. ADDED TABLE FOR PILOT LIGHT. ADDED TABLE FOR ILL. PB'S.
5	ADDED INFO RE: IP20 GUARDS AND ACC.
6	ADDED INFO RE: IP20 GUARDS AND ACC.
7	ADDED INFO RE: IP20 GUARDS AND ACC.