Installation Instructions & Dimensional Drawings

30mm PILOT DEVICES
IL100155 REV 1

30mm Hazardous Location
Push Button, Selector Switches, & Pilot Lights

Factory Sealed Contact Block
CBFS / CBFSR

DEVICE RATINGS:
CLASS 1 DIV 2 GROUP A, B, C, D
CLASS 1 ZONE 2 IIC-T6

LRNNO SERIES - 250 VAC / 40W (RES. ONLY)
PRNNO SERIES - B300/C600 (AC) / Q300 (DC)
MPRNO SERIES - C300 (AC) / Q 150 (DC)
MILRNO SERIES - 250 VAC (MAX) / 40 VA (IND) / 100W (RES)

* THIS EQUIPMENT IS SUITABLE FOR USE IN CLASS 1, DIV 2, GROUPS A, B, C, AND D OR NON-HAZARDOUS LOCATIONS ONLY.

WIRING

RECOMMENDED TERMINAL TORQUE 7-10 LB-IN

TOP VIEW

SIDE VIEW

Hazardous Location Mounting Adapter with Threaded Inserts

WARNING
EXPLOSION HAZARD - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS 1 DIVISION 2.

AVERTISSEMENT
DANGER(HAZARD) D'EXPLOSION - SUBSTITUTION DE LES COMPOSANTS PEUVENT DÉTÉRIORE LA PERTINENCE POUR LA CLASSE 1 DIVISION 2.

INSTALLATION INSTRUCTIONS
APPLIES TO HERMETIC REED DEVICES
FACTORY SEALED - DIV 2 / ZONE 2


2. SLIDE MOUNTING ADAPTER (WITH THREADED METAL INSERTS) BACK INTO PLACE ON THE THREADED OPERATOR BODY OF THE HOUSING. INSERT THE #6 PAN HEAD SCREW (Provided with Contact Block) INTO THE SLOT PROVIDED IN THE MOUNTING BRACKET AND TIGHTEN IT TO THE ADAPTER. (RECOMMENDED TORQUE 7 LB-IN)

3. SLIDE THE SEAL GASKETS BACK ONTO THE THREADED BODY OF THE HOUSING AND INSERT THE OPERATOR INTO THE HOLE IN THE PANEL. BE SURE TO USE THE PROPER NUMBER OF GASKETS FOR THE GIVEN PANEL THICKNESS.

4. SECURE THE OPERATOR BY INSTALLING THE HANDLE/CAP AND TIGHTENING THE PANEL MOUNTING NUT.

5. OPERATE THE UNIT TO OBSERVE THAT THE CONTACT BLOCKS ARE SECURE AND FUNCTIONING PROPERLY.

6. ALL WIRING FOR CONTACT BLOCK IS MARKED ON THE DEVICE.
OPERATOR INSTALLATION INSTRUCTIONS

1) AFTER REMOVING THE OPERATOR FROM ITS PACKAGE, UNSCREW AND REMOVE THE CLAMP RING.
2) TO ASSURE A GOOD SEAL, THE CORRECT NUMBER OF GASKETS MUST BE USED - REFER TO TABLES 1-3.
3) INSERT OPERATOR HOUSING FROM THE REAR OF PANEL, THROUGH THE PANEL MOUNTING HOLE - REFER TO FIGURE 2.
4) LOCATE THE PUSH BUTTON (CAP OR HANDLE) FOR PROPER OPERATION.
5) SECURE THE OPERATOR BY INSTALLING THE CLAMP RING ON THE PANEL FRONT. SUFFICIENT TORQUE WILL COMPRESS THE REAR SEAL GASKETS MAKING THE OPERATOR TIGHT TO THE PANEL.
6) OPERATE THE UNIT TO OBSERVE PROPER CONTACT SEQUENCE.

NOTE:
- CERTAIN SPECIAL OPERATORS REQUIRE INSTALLATION OF ADDITIONAL HARDWARE ITEMS. THESE ARE EVIDENT WHEN DISASSEMBLING SOME PORTION OF THE PRODUCT PRIOR TO PLACEMENT ON A PANEL. FOR EXAMPLE, THE POTENTIOMETER INSTALLATION REQUIRES THAT A SET SCREW BE REMOVED FROM THE KNOB PRIOR TO OPERATOR BEING INSERTED THROUGH HOLE IN MOUNTING SURFACE.

LIGTHS & ILLUMINATED OPERATOR INSTALLATION INSTRUCTIONS

1) TO ASSURE A GOOD SEAL, THE CORRECT NUMBER OF REAR PANEL GASKETS MUST BE INSERTED - REFER TO TABLES 1-3.
2) INSERT UNIT FROM THE REAR OF PANEL, THROUGH THE PANEL MOUNTING HOLE - REFER TO FIGURE 2.
3) INSTALL ANY ENVIRONMENTAL SEALS/FILTERS OR REFLECTORS THAT WERE ORDERED SEPARATELY WITH THE OPERATOR.
4) SECURE THE OPERATOR BY INSTALLING THE CLAMP RING ON THE PANEL FRONT. SUFFICIENT TORQUE WILL COMPRESS THE REAR SEAL GASKETS MAKING THE OPERATOR TIGHT TO THE PANEL.
5) MANUALLY OPERATE THE SWITCH IN YOUR HAND TO OBSERVE PROPER CONTACT SEQUENCE DESIRED. FOR SELECTOR SWITCHES, SEE RATING INFORMATION BELOW.

CONTACT BLOCK INSTALLATION INSTRUCTIONS

1) DETERMINE THE PROPER LOCATION OF THE CONTACT BLOCK TO PROVIDE THE PARTICULAR SWITCHING SEQUENCE DESIRED. FOR SELECTOR SWITCHES, REFER TO RATING CHARTS.
2) ALIGN THE SNAP LEGS OF THE CONTACT BLOCK WITH THE SLOTS ON THE OPERATOR HOUSING.
3) PUSH CONTACT BLOCK INTO OPERATOR IN A LINEAR FASHION UNTIL YOU HEAR THE ‘CLICK’ OF THE SNAPS ENGAGING.
4) PINCH THE SNAPS TOGETHER TO MAKE SURE THAT THEY ARE SECURE ON THE OPERATOR. A SECOND ‘CLICK’ MAY OR MAY NOT BE HEARD.
5) MANUALLY OPERATE THE SWITCH IN YOUR HAND TO CONFIRM THE PROPER OPERATION OF THE DEVICE. AN OHM METER MAY BE USED TO CONFIRM THE SWITCH SEQUENCE.

WARNING
- Disconnect power before proceeding with any work on this equipment.
- Installation and maintenance by technical personnel only.
- Installation of c3controls product must be in accordance with the NEC (U.S. National Electrical Code) regulations or local codes/standards per your application. Any violation of these safety requirements could result in a personal injury and/or result in damage to the equipment.

AVERTISSEMENT
- Débranchez le Pouvoir (la Puissance) avant la suite de r’mport ce travail sur cet équipement.
- Installation et maintenance par personnel technique seulement.
- L’installation de produit c3controls doit être conforme au NEC (le Code Electrique national américain) des réglements ou des codes/normes locaux par votre demande/application.
- N’importe quelle violation de ces exigences de sécurité paurrait aboutir à une blessure personnelle et/ou aux dégâts à l’équipement.