

INSTALLATION AND OPERATING INSTRUCTIONS
SERIES 132D DUAL-RANGE ADJUSTABLE PRESSURE SWITCHES
ENCLOSURE 6SUITABLE FOR USE IN FLAMMABLE/COMBUSTIBLE ATMOSPHERESCLASS I: GROUPS C AND D, DIV 1
CLASS II: GROUPS E, F, AND G, DIV 1
AS DEFINED BY THE NATIONAL ELECTRICAL CODE**NOTICE:**

1. For industrial use only, not a consumer product.
2. This item should be installed, operated, and maintained by technical personnel knowledgeable in local and national electrical and mechanical codes.
3. Always use wrench flats provided.
4. Avoid excessive torque on any threaded connection.
5. When surface mounting is used, insure that the surfaces are flat.
6. Manual operation of either electrical assembly may result in the unit becoming nonfunctional.

**WARNING: Before proceeding, read and understand the following:**

1. **Hazardous electrical power may cause severe personal injury or death.**
 - a. **Do not make electrical connections while electrical power is on.**
 - b. **Do not open conduit connections or the junction box cover while electrical power is on. Check for multiple circuits.**
 - c. **Provide adequate electrical grounding.**
 2. **Excessive pressure may rupture the pressure switches; severe injury, death, or property damage may result. Do not subject this item to pressures in excess of the nameplate-listed proof pressure.**
- A. Mounting: The unit may be mounted in any orientation.
1. On flat surfaces using the mounting holes provided in the switch bodies and the junction box bracket. Use #10 screws at least 2 inches long through the switch bodies, and ¼ inch screws through the bracket on the junction box. This method is recommended
 2. Port mounted directly to the pressure connection. See "Pressure Connection". This method is permissible only if the junction-box end of the unit is supported by rigid conduit, and there is no significant vibration.
- B. Pressure Connection (See Warning 2):
1. The unit is supplied with a female NPT port suitable for connection to NPT pipe nipples or NPT taper threaded pipe.
 2. Pipe-joint sealing compound is preferred over Teflon tape. However, either method of sealing is acceptable with proper care to avoid introducing sealing material into the pressure switches or plumbing.
- C. Electrical Connections (See Warning 1):
1. Entry for electrical conductors is provided by a 3/4 - 14 NPT male conduit connection (with hub) in the junction box.
 2. Disconnect electrical power, checking for multiple circuits.
 3. Remove the access cover of the junction box.
 4. Make electrical connections to the terminal block in accordance with National Electrical Code" (NEC) and local code instructions. Wire as large as 12 AWG may be used.
- NOTE:** Circuitry coding is provided on the terminal block's mounting plate.
5. Grounding: Proper grounding must be accomplished by use of the green ground screw provided.
 6. Conduit: Install conduit and provide conduit drainage provisions. Install a conduit seal within 18 inches of the junction box.
 7. Reinstall the junction box cover.
- D. Adjustment:
1. The pressure setting of each of the two switches is internally adjustable; electrical power may remain on.
 2. On each switch, loosen its access cover and swing it away. Using a flat-bladed screwdriver, rotate:
 - a. Clockwise to increase settings.
 - b. Counter-clockwise to decrease settings.

NOTE: When a range scale is provided, read the increasing set point at the bottom of the adjustment wheel.
 3. Replace the access cover and tighten its screws.