

Type ALS, how to adjustment

Limit Switch Adjustment

1. Loosen limit switch box cover screws and remove cover.
2. Rotate actuator to full counterclockwise position. Valve is on fully open or closed position.
3. Lift up bottom cam and turn until switch is activated and then release. Engage cam back onto the splined retainer. Spring will maintain cam engagement.
4. Rotate actuator to full clockwise position. Valve is on fully closed or open position.
5. Push down top cam and turn until switch is activated and then release. Engage cam back onto the splined retainer. Spring will maintain cam engagement.
6. Place cover on limit switch box and tighten.



Instruction

- Take care to ensure that housing O-ring is properly located in seal groove.
- Keep the box tight while circuits are alive.
- Disconnect supply circuit before opening.
- Ensure the flameproof surface have not any paint and scratch in the process of adjustment.

Electrical Wiring

Installation

1. Remove limit switch box cover (Disconnect supply circuit before opening).
2. Remove protection plugs from conduit entries and install conduit or plugs suitable for type of protection required.
3. Engage wires in terminal strip using a small screwdriver.

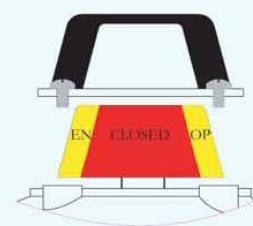


Instruction

- Ensure the flameproof surface have not any paint and scratch in the process of adjustment.
- All user connections are made at a numbered terminal strip. A wiring diagram is located inside the cover and indicated which terminal numbers correspond to switch contacts: normally open, normally closed common, etc. Simply follow the wiring diagram and electric code to connect switches to your system.
- Solenoids may also be wired through the switch box. At least two auxiliary terminals are included as an option. A ground screw is also included. Simply wire the solenoid to auxiliary terminals, and then connect power leads to the opposite terminal side.
- Be sure to properly ground the solenoid at provided ground terminal.
- ALS series Exd switch boxes include two 3/4" BSPP conduit entries. Be sure to follow the National Electric Code regulations for rigid conduit, flexible conduit or cable systems as applicable.

Indicator Setting

1. Remove four screws and remove indicator cover.
2. Lift up indicator from the cover.
3. Set indicator on cover according to valve position.
4. Replace indicator cover and fasten with cover screws. Check to ensure that position indicator O-ring is properly located in seal groove.



Instruction

- Use only wet cloth when cleaning the indicator.
- Indicators are easily adjusted to match the dome's clear windows or the special rotor angle indicator, such as 45°, 60° or 3 way indicator. Simply loosen the four screws to adjust the indicator. Make sure dome window line up with rotor quadrants. Finally, tighten the screws to insure a good seal.

Inspection and Maintenance

Inspect the components of the limit switch box for wear or damage and replace where necessary.

Recommended Replacement Parts:

1. Limit switch
2. Position indicator O-ring
3. Housing O-ring
4. Shaft O-rings (top and bottom)

Storage

To store ALS series Exd limit switch box, the following cautions are recommended:

- Ensure the flameproof surface have not any paint and scratch.
- Ensure the limit switch box is completely dry and water free.
- Maintain the entrances of cable by fitting the original or replacement plastic corks.
- Protect from dust, dirt and damage by packing in box or plastic bag.