

## INSTRUCTION OF INDICATING PRESSURE SWITCH

### 1. Introduction

GENTEC Indicating Pressure Switch contains a bourdon-operated pressure gauge and an internal switch. It is widely used in petroleum, chemical, metallurgical, power plants and other industrial fields. It is designed for use with electromechanical devices/equipment to indicate gas pressure under non-combustible conditions. Serviceable for both toxic and corrosive gases, its typical applications include cylinder pressure monitoring and alarm, leakage signaling, etc.

### 2. Connections

There are two black wires in a conduit at the back of the case for switch signal output. This gauge has a 1/4 NPT Male inlet connection.

### 3. Setting the Switch Operating Point

The switch set point is adjusted with the following procedure:

- Loosen the two screws on the bezel (without being completely removed) as they engage open slotted holes on the bezel.
- Pull the bezel off the gauge.
- Move the color cap clockwise or counterclockwise to line up with the desired pressure limit on the scale.
- Replace the bezel and tighten the two bezel screws.

### 4. Changing the Switch Action

To change the switch action from the operating mode, the following procedures should be used:

- Disconnect power and all wiring.
- Remove it from pressure source.
- Remove bezel as described in section 3.
- Using a small screwdriver, while holding the pointer to prevent it to rotate, loosen the screw at the center of the pointer (about two turns only).
- Slide the pointer towards the large diameter of the bayonet hole until it is under the screw head.
- Lift the pointer to remove it from under the screw head. Turn the pointer over and reassemble, pushing it so the screw is at the narrow end of the hole.
- Retighten the center screw, and reinstall the bezel.

### 5. Specifications

- Maximum instantaneous switching power: 10W DC
- Maximum switching voltage: 24VDC
- Maximum switching current: 1 ADC
- Adjustable range: 5% to 80% FS
- Accuracy:  $\pm 3-2-3\%$
- Relative humidity: <85%

**WARNING - Misuse of this product may cause an explosion and personal injury.**