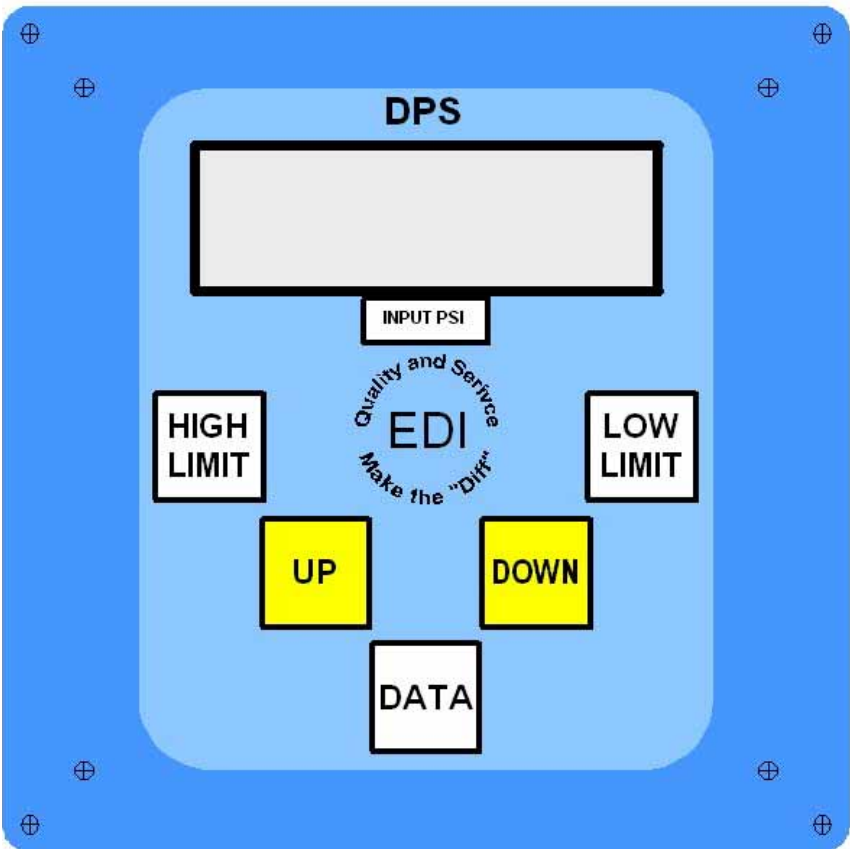


EDI DIGITAL PRESSURE SWITCH MANUAL

SERIES 16



Description

The EDI Digital Pressure Switch is a pressure sensing device used to reliably detect high and low pressure set points. The instrument can be used to activate alarms and/or shut down equipment. It boasts a full 1000 psi range for maximum flexibility. The EDI Digital Pressure Switch monitors its own battery voltage detecting a low or dead battery. It also has a plunger sensing option.

Setup and Operation Instructions

LCD (Liquid Crystal Display)

The LCD quickly and accurately displays the current input pressure and the high and low pressure set points. If the high pressure set point is reached, the display will flash “**High***” and if the low pressure set point is reached, the display will flash “***Low**”.

The display will go to sleep after 2 minutes of inactivity. To wake the display, press any button on the face panel.

Setting Low Pressure Set Point

To set the low pressure set point, press and **hold** the “**Low Limit**” button while pressing the “UP” or “DOWN” buttons until the desired set point is displayed on the LCD.

Setting High Pressure Set Point

To set the high pressure set point, press and **hold** the “**High Limit**” button while pressing the “UP” or “DOWN” buttons until the desired pressure is displayed on the LCD.

Voltage Monitor

The Digital Pressure Switch is designed to detect a low battery condition. When a low battery is detected, the unit will start flashing “**LOW BATTERY**” on the LCD. The battery is estimated to last two years with normal operation. When the batteries are discharged enough to cause unreliable operation, “**DEAD BATTERY**” will appear on the LCD and the unit will no longer take action at a “HIGH” or “LOW” set point.

Data Button

The **“Data”** button allows the operator to scroll through the different functions. By pressing and releasing the **“Data”** button the different functions will be displayed. The different functions are as follows:

Delay - Time delay before the controller reacts to a “HIGH” or “LOW” set point. While holding the “DATA” button and reading “Delay” on the LCD use the “UP” and “DOWN” buttons to set the desired “Delay” time.

High Count – Records the number of times the pressure switch has detected a “HIGH” set point. To clear the counts, while holding the Data button and reading “High Count” press the “UP” or “DOWN” button.

Low Count – Records the number of times the unit has detected a “LOW” set point. To clear the counts, while holding the Data button and reading “Low Count” press the “UP” or “DOWN” button.

Battery Voltage - Displays the battery voltage.

Plunger Sensor – Turns the plunger sensor option on or off. While holding the “DATA” button and reading “Plunger Sensor” press the “UP” or “DOWN” button. (See Plunger Sensor Option in the Setup and Operation section)

Plunger Arrivals – Records the number of times the unit has detected a plunger arrival. To clear the counts, while holding the “DATA” button and reading “Plunger Arrivals” press the “UP” or “DOWN” button.

Wiring

Green ----- Power Supply Negative

Brown ----- Power Supply Positive

Red ----- Low Set Point

White ----- Common

Black ----- High Set Point



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