

An improvement has been made to the **DSG-1692DUS** starting with **S/N 1156**.

The original calculation of the **DIF** was assumed to be normal when the **DIF** was a **HIGH** setpoint. This would be true on typical Catalytic converter inlet vs outlet temps, oil filter pressure drops, etc. A new application was found as a **LOW** differential setpoint on a screw compressor, which could be accommodated, but the pressure being monitored was normally above the **DIF** setpoint, the gauge always showed a tripped output switch, and the opposite switch polarity wiring was required.

The improvement to the **DSG-1692DUS** allows for operation as a **SELECTABLE** “Low” or “High” differential. The improved gauge will show a “<” or “>” symbol next to the **DIF** setpoint, which can be changed by pressing the **UP** and **DOWN** arrow keys simultaneously to allow for this “selectable” Low or High Differential.

Be sure to refer to the Installation Instructions, **FORM DSG1692 II 10-08**, for details of these improved features. The following is an excerpt:

8.8 SETPOINT CONFIGURATION:

There are two switches available in the DSG-1692DUS. Switch 1 is for channel 1 and switch 2 is for channel 2. The **SETPOINTS** menu allows the user to set a setpoint value for Low, High and Differential, set the switch to failsafe or shelf state, latching or nonlatching and set the hysteresis value for each switch.

8.8.1 LO, HI:

Output switch 1 will trip if the sensor input value on channel 1 goes either below the low setpoint value (a **LO** setpoint) or above the high setpoint value (a **HI** setpoint). Output switch 2 works in the same manner.

8.8.2 DIF:

A selectable “high” or “low” differential setpoint is available. The differential setpoint compares the difference between channel 1 versus channel 2. When set to high differential (>) the chosen output switch will trip if the absolute difference in the sensor input values are greater than the setpoint value. When set to low differential (<) the chosen output switch will trip if the absolute difference in the sensor input values are less than the setpoint value. To select either < (low dif), > (high dif), or **OFF**, when in the **SETPOINTS** menu, point to **DIF** and press **ENTER**, then press the **▲** and **▼** keys simultaneously to toggle through the selections; press **ENTER** to save.

The setpoints can be set anywhere within the configured range of the gauge, or off. Use the **▲** or **▼** arrow keys to scroll to the desired setpoint value and press **ENTER** to save. To set a setpoint to **OFF**, press the **▲** and **▼** keys simultaneously; press **ENTER** to save.

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SWITCH 1
→HI    565 Psi
LO     30 Psi
DIF> 100 Psi
SHELF STATE
HYST.  9 SEC.
NONLATCH
PREVIOUS MENU
```