The DIS876 and DIS976 provide a display, optional isolated DC output voltage or current proportional to the slide position of a potentiometer, and optional alarm setpoints. All Wilkerson products are designed with RFI filters and lightning protection to reduce susceptibility to electrical noise and damage by lightning, as well as a stable 1 V power supply to excite the potentiometer. Any value potentiometer from 100 ohms to 100 kilohms can be used. The digital display utilizes an auto-zero dual-slope integrating A/D converter for accuracy and stability. All controls are accessible by removing the gasketed front access panel. The display controls are wide-ranging so that they can be calibrated to display engineering units. Decimal point selection is made with a switch, also accessible from the front. A complete set of engineering unit labels is sent with each DIS. Once the display has been adjusted to read the correct engineering units, the alarm setpoints can be adjusted without test equipment and without disturbing the output voltage or current.

Either setpoint may be displayed by use of the SP CAL switch. Each setpoint has an LED to indicate alarm status. The alarms have adjustable deadbands. Terminations are made to a screw terminal connector on the rear of the case.

TYPICAL APPLICATIONS
Tank level, valve or actuator position indication, control, monitoring, data acquisition and warning, creating and displaying test signals.
DIS876 AND DIS976

Wilkerson Instrument Co., Inc.

ORDERING INFORMATION

POWER
☐ 115 VAC, 50/60 Hz Power
☐ 230 VAC, 50/60 Hz Power

INPUT
Specify Input
Potentiometer input products are calibrated assuming 0 to 100% rotation. Final calibration should be done using the actual system potentiometer.

OUTPUT (Option TX)
Analog Output
☐ Yes ☐ No
Select Units
☐ VDC ☐ mADC
Enter Output

Select Output Logic
☐ Normal Acting
☐ Reverse Acting

ALARMS (Option SA, DA)
Alarm Output
☐ Yes ☐ No
Alarm Selection - Quantity
☐ Single (SA) ☐ Dual (DA)
Alarm Logic
☐ Normal - De-Energize On Alarm
☐ Reverse - Energize On Alarm
Alarm Action
Alarm 1  ☐ High ☐ Low
Alarm 2  ☐ High ☐ Low

Enter Setpoint Input Level
Setpoint 1
Setpoint 2

DISPLAY
Enter Display

Select Display Logic
☐ Normal Acting
☐ Reverse Acting

OPTIONS
☐ Conformal Coating

TAGS
Specify Tag Numbers
Tag Number is typed on product label at no charge.

Enter Tag Number(s)

ACCESSORIES

DIS876 AND DIS 976
No accessories available at this time.

MOUNTING
The DIS is designed to be mounted from the front of a panel through a standard horizontal 3.62 x 1.77 inch (1/8 DIN cutout. Two mounting cam-screws secure the DIS to the panel.

DIMENSIONS

Inches [mm]

CONNECTIONS

TERM 1 Output -
TERM 2 Output +
TERM 3 FS
TERM 4 Wiper
TERM 5 Zero
TERM 6 Potentiometer Shield
TERM 7 Alarm 1 NC
TERM 8 Alarm 1 C
TERM 9 Alarm 1 NO
TERM 10 Alarm 2 NC
TERM 11 Alarm 2 C
TERM 12 Alarm 2 NO
TERM 13 Power AC L1
TERM 14 Power AC L2