The DIS474 displays temperature as measured by a thermocouple input. All Wilkerson products are designed with RFI filters and lightning protection to reduce susceptibility to electrical noise and damage by lightning. The digital display utilizes an auto-zero dual-slope integrating A/D converter for accuracy and stability.

A unique analog thermocouple circuit with digital linearity compensation provides the optimum combination of resolution and thermocouple linearization.

Linearization is better than ±1°C from −200°C (−328°F) to the thermocouple’s upper limit on all ranges. 0.1°C/0.1°F resolution is available for thermocouple types J, K, T, E and N (−199.9 to +199.9°C/°F). A temperature-sensing I.C. potted inside the input connector provides optimum cold-junction compensation.

All DIS instruments are gasketed and, when properly installed, are NEMA-4 splashproof. ZERO and SPAN controls are accessible by removing a gasketed front access panel.

A plug-in range card, accessible without opening the case, permits user recalibration for all thermocouple types and ranges. °C or °F is selected using switches accessible from the rear. A rear-panel jumper selects upscale or downscale burnout indication.

A complete set of engineering unit labels is sent with each DIS. Terminations are made to a screw terminal connector on the rear of the case.

**TYPICAL APPLICATIONS**

Temperature indication and monitoring.

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**DESCRIPTION**

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**TYPICAL APPLICATIONS**

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ACCESSORIES
DIS474
DIS-CARD 474 Range Card for DIS474 Thermocouple Process Indicator
QTY _____

INPUT
Select Units
☐ Deg C  ☐ Deg F
Enter Input
Zero Scale
Full Scale

Select Sensor
☐ J TC
☐ K TC
☐ R TC
☐ S TC
☐ T TC
☐ E TC
☐ N TC
☐ B TC
☐ Other - Specify Notes

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

DIMENSIONS
Inches [mm]

CONNECTIONS
TERM 1  Power AC L1
TERM 2  Power AC L2
TERM 3  Shield (Common)
TERM 4  T/C -
TERM 5  T/C -