**DIS471**
**DC INPUT PROCESS INDICATOR**

**FEATURES**
- Provides 3½ Digit Display Calibrated in Engineering Units (°F, °C, %, PSI, etc.) Proportional to DC Input
- Unlimited* Choice of Input Ranges via Interchangeable Range Cards
- Fits Standard 1/8 DIN Cutout (Oversize Bezel)
- Mount, Wire, and Calibrate from Front
- Rated NEMA-4, Splashproof when Properly Installed
- 5 Year Warranty

**DESCRIPTION**

The DIS471 provides a display proportional to a DC input signal. 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.

All DIS instruments are NEMA-4 splashproof. ZERO and SPAN controls are accessible by removing a gasketed front access panel. The display controls are wide-ranging so that it can be calibrated to display engineering units. Decimal point selection is made with a switch, accessible from the rear.

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**
DC voltage, current and process indication.

**SPECIFICATIONS**

**INPUT RANGE**

<table>
<thead>
<tr>
<th>Inputs</th>
<th>Voltage</th>
<th>Current</th>
<th>Shunt Ohms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>0/2 V</td>
<td>0/1 mA</td>
<td>1000</td>
</tr>
<tr>
<td></td>
<td>0/5 V</td>
<td>0/2 mA</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>0/1 V</td>
<td>0/5 mA</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>0/2 V</td>
<td>0/10 mA</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>1/5 V</td>
<td>4/20 mA</td>
<td>61.9</td>
</tr>
<tr>
<td></td>
<td>0/5 V</td>
<td>0/20 mA</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>0/10 V</td>
<td>0/50 mA</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>0/20 V</td>
<td>0/100 mA</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>0/50 V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0/100 V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0/200 V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ISOLATION**

Input-to-Line Breakdown Voltage 1500 VAC rms

**ACCURACY**

±0.05% of span plus 1 digit

**LINEARITY**

±1 digit

**COMMON MODE REJECTION**

120 dB, DC to 60 Hz

**DISPLAY**

Digit Size

.56" LED, 3½ digits, ±1999

Decimal Point

±1.9.9.9

Control Range

Zero ±1999

Span min span 10; max span 1999

**OPERATING TEMPERATURE**

14°F to 140°F/-10°C to 60°C

**TEMPERATURE STABILITY**

±0.02% of span/°C max

**POWER**

115 VAC ±10%, 50 or 60 Hz (4 W max)

230 VAC ±10%, 50 or 60 Hz (4 W max)

*Within specified range limits.
**ACCESSORIES**

**DIS471**

DIS-CARD 471  Range Card for DIS471 DC Process Indicator  

**INPUT**

Select Units

- VDC  mADC

**Enter Input**

- Zero Scale
- Full Scale

**DISPLAY**

Enter Display

- Zero Scale
- Full Scale

Select Display Logic

- Normal Acting
- Reverse Acting

**OPTIONS**

- Conformal Coating

**MOUNTING**

The DIS471 is designed to be mounted from the front panel through a standard horizontal 3.62 X 1.77 inches (1/8 DIN) cutout. Two mounting cam-screws allow the securing of the DIS471 to the panel from the front.

**DIMENSIONS**

Inches [mm]

**CONNECTIONS**

<table>
<thead>
<tr>
<th>TERM</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power AC L1</td>
</tr>
<tr>
<td>2</td>
<td>Power AC L2</td>
</tr>
<tr>
<td>3</td>
<td>Input -</td>
</tr>
<tr>
<td>4</td>
<td>Input +</td>
</tr>
</tbody>
</table>

**ORDERING INFORMATION**

**POWER**

- 115 VAC, 50/60 Hz Power
- 230 VAC, 50/60 Hz Power

**INPUT**

Select Units

- VDC  mADC

**Enter Input**

- Zero Scale
- Full Scale

**DISPLAY**

Enter Display

- Zero Scale
- Full Scale

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)