



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

Voltage	INPUTS	
	Current	Shunt Ohms
0/.2 V	0/1 mA	1000
0/.5 V	0/2 mA	500
0/1 V	0/5 mA	200
0/2 V	0/10 mA	100
1/5 V	4/20 mA	61.9
0/5 V	0/20 mA	50
0/10 V	0/50 mA	20
0/20 V	0/100 mA	10
0/50 V		
0/100 V		
0/200 V		

INPUT IMPEDANCE

Voltage
200 kilohms for spans 1 V and above
125 kilohms for 500 mV span
50 kilohms for 200 mV span

Current
R=1 V/span. See input shunt values.

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

Update Rate
3/sec

Reverse Display
Rear-panel jumper selectable.
Reads downscale with increasing input.

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.

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)

ACCESSORIES

DIS471

DIS-CARD 471 Range Card for DIS471 DC Process Indicator

Qty_____

INPUT

Select Units

- VDC mADC

Enter Input

Zero Scale

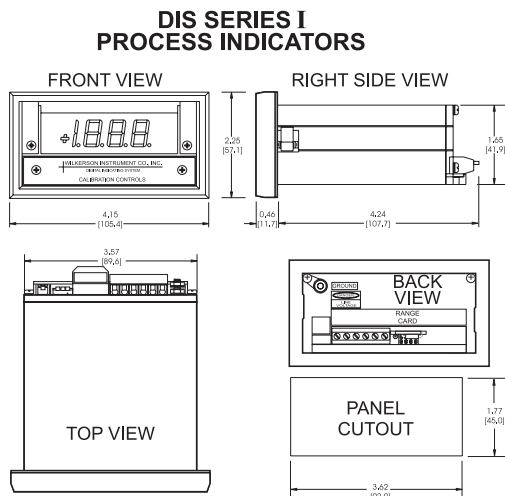
Full Scale

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

- TERM 1 Power AC L1
- TERM 2 Power AC L2
- TERM 3 Input -
- TERM 4 Input +



2915 Parkway Street
Lakeland, FL 33811-1391 • USA
800-234-1343
Tel: 863-647-2000 • Fax: 863-644-5318
www.wici.com • Email: sales@wici.com