



DIS471-24

DC INPUT PROCESS INDICATOR WITH 24 VDC POWER SUPPLY FOR TWO-WIRE TRANSMITTER

FEATURES

- Provides 3½ Digit Display Calibrated in Engineering Units (°F, °C, %, PSI, etc.) Proportional to DC Input
- 24 VDC Power Supply for Two-Wire Transmitters
- 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 DIS471-24 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. The instrument contains a 24 VDC transmitter power supply specifically designed for use with two-

wire process transmitters.

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. The display's 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 process indication, monitoring, two-wire excitation.

SPECIFICATIONS

INPUT RANGE

4/20 mA

DIS471-24

24 V output $\pm 5\%$, 30 mA max

OPERATING TEMPERATURE

14°F to 140°F/-10°C to 60°C

INPUT IMPEDANCE

61.9 ohms

DISPLAY

Digit Size
.56" LED, 3½ digits,
 ± 1999

TEMPERATURE STABILITY

$\pm 0.02\%$ of span/°C max

ISOLATION

Input-to-Line Breakdown Voltage
1500 VAC rms

Decimal Point

$\pm 1.9.9.9$

Control Range

Zero

± 1999

POWER

115 VAC $\pm 10\%$, 50 or 60 Hz
(4 W max)

230 VAC $\pm 10\%$, 50 or 60 Hz
(4 W max)

ACCURACY

$\pm 0.05\%$ of span plus 1 digit

Span

min span 10; max span 1999

LINEARITY

± 1 digit

Update Rate

3/sec

Reverse Display

Rear-panel jumper selectable.

Reads downscale with increasing input.

COMMON MODE REJECTION

120 dB, DC to 60 Hz

ORDERING INFORMATION

POWER

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

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

DIS471-24

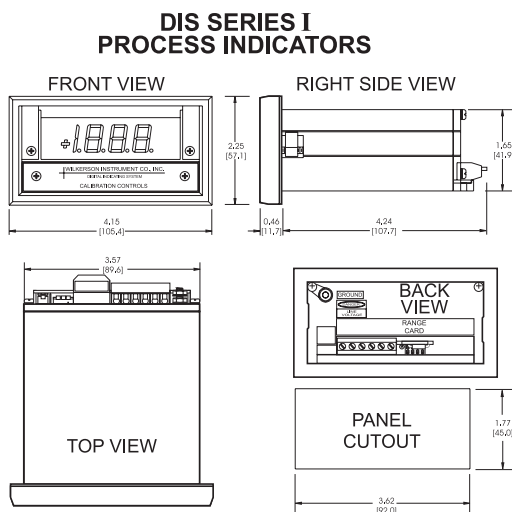
No accessories available at this time.

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 +
TERM 5	Transmitter Power -
TERM 6	Transmitter Power +



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