DIS471-24
DC INPUT PROCESS INDICATOR
WITH 24 VDC POWER SUPPLY
FOR TWO-WIRE TRANSMITTERS

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

INPUT IMPEDANCE
61.9 ohms

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

DIS471-24
24 V output ±5%, 30 mA max

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)
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]

DIS SERIES I
PROCESS INDICATORS

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 +