**FEATURES**

- Provides 3½ Digit Display
  - Calibrated in Engineering Units (°F, °C, %, PSI, etc.)
  - Proportional to DC Input
- USER RANGEABLE -32 mV to 256 VDC and 0.8 mA to 1 ADC
- Fits Standard 1/8 DIN Cutout (Oversize Bezel)
- Calibrate from Front of Control Panel
- Rated NEMA-4, Splashproof when Properly Installed
- 5 Year Warranty

**DESCRIPTION**

The DIS471B-R provides a 3½ display proportional to a DC input signal. Span of the input is selected by a moveable jumper on the rear of the housing. The display controls are wide-ranging so that it can be calibrated to display engineering units. A complete set of engineering units labels is shipped with each DIS.

All controls for calibration of the display are accessible by removing a gasketed front access panel. DIS instruments are gasketed and, when properly installed, are NEMA-4 splashproof.

Terminations are made to a screw terminal connector on the rear of the case.

**TYPICAL APPLICATIONS**

Monitor a process DC voltage or current and indicate the value of the process measurement in appropriate engineering units.

**SPECIFICATIONS**

**INPUT RANGE**

- **Voltage**
  - ±32 mV to ±128 VDC
- **Current**
  - ±0.8 mA to ±1 ADC

**INPUT IMPEDANCE**

- **Voltage**
  - 1 megohm
- **Current**
  - Shunt Resistance
    - 0.8 mA to 32 mA: 61.9 ohm
    - 32 mA to 256 mA: 4 ohm
    - 256 mA to 1 A: 0.25 ohm

**ACCURACY**

±0.05% of span plus 1 digit

**LINEARITY**

±1 digit

**COMMON MODE REJECTION**

100 dB, DC to 60 Hz

**DISPLAY**

- **Digit Size**
  - .56” LED, 3½” digits, ±1999 indication
- **Decimal Point**
  - 1.9.9.9
- **Control Range**
  - Zero
  - -1999 to +1999
- **Span**
  - min span 100/max 1999
- **Update Rate**
  - 3/sec
- **Reverse Display**
  - Switch selectable
  - Reads downscale with increasing input

**BREAKDOWN VOLTAGE**

INPUT-TO-LINE

1500 VAC rms

**POWER**

24 VDC ±10%

(2 W max)

**OPERATING TEMPERATURE**

14°F to 140°F/-10°C to 60°C

**TEMPERATURE STABILITY**

±0.02% of span/°C max
INPUT
Select Units
☐ VDC  ☐ mADC
Enter Input

OPTIONS
☐ Conformal Coating

TAGS
Specify Tag Numbers
Tag number is typed on product label at no charge.

Enter Tag Number(s)

DIS471B
No accessories available at this time.

MOUNTING
The DIS471B 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  NC
TERM 4  Shield
TERM 5  Input -
TERM 6  Input +