



# DIS471B- ( )

## DC INPUT PROCESS INDICATOR

### FEATURES

- Factory Set Input Span - User Adjustable Display
- Provides 3 1/2 Digit Display Calibrated in Engineering Units (°F, °C, %, PSI, etc.) Proportional to DC Input
- Wide Choice of Inputs Available
- Fits Standard 1/8 DIN Cutout (Oversize Bezel)
- All Calibrate on Front of Control Panel
- Rated NEMA-4, Splashproof when Properly Installed
- 5 Year Warranty

### DESCRIPTION

The DIS471B- ( ) provides a 3 1/2 display proportional to a DC input signal. Span of the input is factory set. 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

0/50 mV	0/100mV
0/1V	1/5V
0/5V	0/10V
-10/10V	0/20V
0/100V	0/200V

Current

0/1mA	4/20mA
0/20mA	0/50mA
10/50mA	0/100mA
0/500mA	0/1 A

#### 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, 3 1/2" digits

Decimal Points  
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

#### OPERATING TEMPERATURE

14°F to 140°F/-10°C to 60°C

#### TEMPERATURE STABILITY

±0.02% of span/°C max

#### BREAKDOWN VOLTAGE

INPUT-TO-LINE  
1500 VAC rms

#### POWER

24 VDC ±10%  
(2 W max)

**ORDERING INFORMATION**

**INPUT**

Select Input

**Current**

- 1 4/20mA
- 2 0/20mA
- 3 0/1mA
- 4 0/50mA
- 5 0/100mA
- 6 0/500mA
- 7 0/1A
- 8 10/50mA

**Voltage**

- 10 0/10V
- 11 0/5V
- 12 1/5V
- 13 0/1V
- 14 0/100mV
- 15 0/50mV
- 16 -10/10V
- 17 0/20V
- 18 0/50V
- 19 0/100V
- 20 0/200V

**DISPLAY**

Enter Display

ZeroScale

FullScale

**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**

**DIS471B**

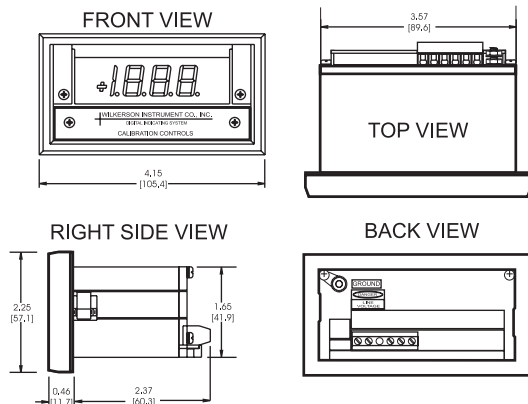
No accessories available at this time.

**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 +