

Bargraph Indicators 48 Series

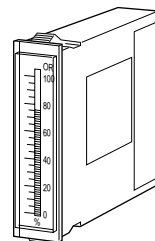
BARGRAPH INDICATOR

MODEL **48SV**

MODEL & SUFFIX CODE SELECTION

48SV-1R□□-□

MODEL _____
 BAR GRAPHS _____
 1 : Single
 LED COLOR _____
 R : Red
 INSTALLATION _____
 V : Vertical
 H : Horizontal
 INPUT _____
Current
 A : 4 – 20mA DC
 G : 0 – 1mA DC
Voltage
 3 : 0 – 1V DC
 5 : 0 – 5V DC
 6 : 1 – 5V DC
POWER INPUT _____
 R : 24V DC
 T : 5V DC



Functions & Features

- Displaying a process variable in graphic bargraph of 51 LED segments
- Small size
- High-density mounting

INPUT & OUTPUT

INPUT

• **DC Current:** 4 – 20mA DC, 0 – 1mA DC

Input resistance

Input	Input Resistance
4 – 20mA	: 5.1 (Ω)
0 – 1mA	: 100

• **DC Voltage:** 0 – 1V DC, 0 – 5V DC or 1 – 5V DC

Input resistance

Input Span	Input Resistance
0 – 1V	: 200k (Ω)
0 – 5V	: 160k
1 – 5V	: 160k

ORDERING INFORMATION

Specify code number. (e.g. 48SV-1RVA-T)

GENERAL SPECIFICATIONS

Construction: panel flush mounting
Connection: connector (leadwires soldered)
Material
 Housing: ABS resin
 Scale plate: aluminium (white scale & characters on black base)
Scale: 0 – 100%
Indicator: LED
No. of LED segments: 52 including over-range indicator "1"
Scale length: 50 mm (1.97")
Isolation: input to power

INSTALLATION

Power input: operational voltage range: 24V DC ±15% or 5V DC ±10%, 1.5W max.; ripple 10% p-p max.

Operating temperature: 0 to 50°C (32 to 122°F)

Operating humidity: 40 to 80% RH (non-condensing)

Mounting: panel flush mounting

Dimensions: W18×H72×D118 mm (0.71"×2.83"×4.65")

Weight: 90 g (0.20 lbs)

PERFORMANCE in percentage of span

Accuracy: ±2%

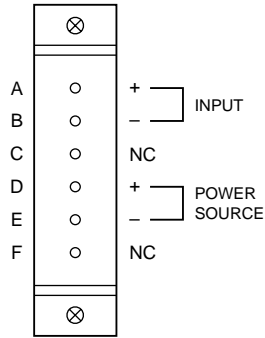
Response time: 0.5 seconds

Insulation resistance: ≥50MΩ with 500V DC (input or power to ground)

Dielectric strength: 2000V AC @1 minute (input or power to ground)

500V AC @1 minute (input to power)

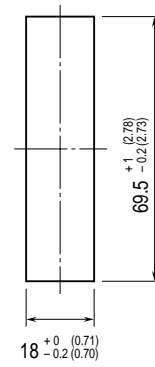
TERMINAL CONNECTION



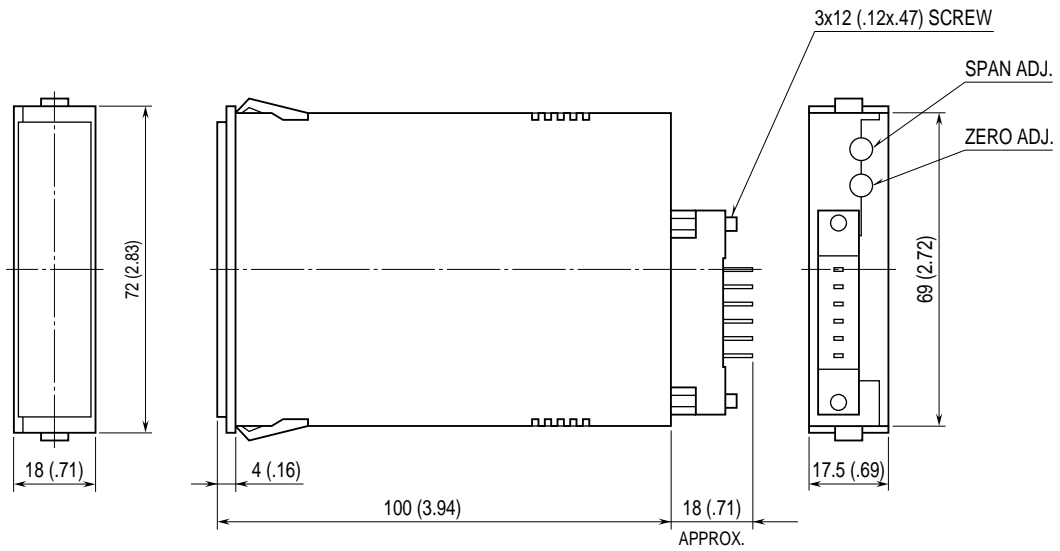
MOUNTING REQUIREMENTS mm (inch)

■PANEL CUTOUT

Panel thickness: 0.5 – 2.0 mm (.02" – .08")



EXTERNAL DIMENSIONS mm (inch)



Specifications subject to change without notice.