

1A OUTPUT TRANSMITTER	MODEL 99SVA
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MODEL & SUFFIX CODE SELECTION

99SVA-□V-M

MODEL _____
 INPUT _____

Current	Voltage
A : 4 – 20mA DC	3 : 0 – 1V DC
A1 : 4 – 20mA DC*	4 : 0 – 10V DC
B : 2 – 10mA DC	5 : 0 – 5V DC
C : 1 – 5mA DC	6 : 1 – 5V DC
D : 0 – 20mA DC	4W : -10 – +10V DC
E : 0 – 16mA DC	5W : -5 – +5V DC
F : 0 – 10mA DC	0 : Specify voltage
G : 0 – 1mA DC	
H : 10 – 50mA DC	
GW : -1 – +1mA DC	
FW : -10 – +10mA DC	
Z : Specify current	

*50Ω input resistance for Code A1

OUTPUT _____
V : 0 – 1A DC

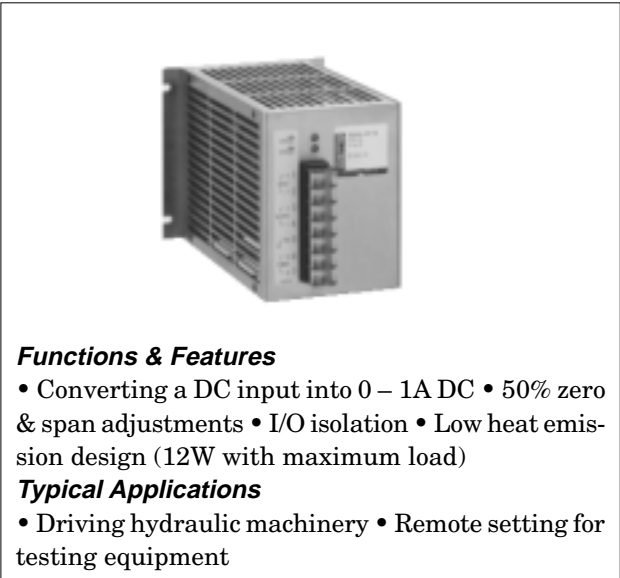
POWER INPUT _____
M : 85 – 264V AC

ORDERING INFORMATION

Specify code number and variables.
 • **Code number** (e.g. 99SVA-3V-M)
 • **Special input range** (For codes Z & 0)

GENERAL SPECIFICATIONS

Construction: metal sheet assembly
Connection: M4 screw terminals
Housing material: SPCC (coated with colored Zn-Cr)
Isolation: input to output to power
Overrange output: 0 – 105%
Front adjustments: 0 – 50% for zero; 50 – 100% for span



INPUT & OUTPUT

■ **INPUT**

- **DC Current:** input resistor incorporated (2W)
- **Input resistance:** For resistance values other than listed below, specify when ordering.

Input	Input Resistance
4 – 20mA	: 250 (Ω) (50Ω for Code A1)
2 – 10mA	: 500
1 – 5mA	: 1000
0 – 20mA	: 50
0 – 16mA	: 62.5
0 – 10mA	: 100
0 – 1mA	: 1000
10 – 50mA	: 100
-1 – +1mA	: 1000
-10 – +10mA	: 100

• **DC Voltage:** -300 – +300V DC
Minimum span: 0.8V
Zero suppression/elevation: max. 1.5 times span
Input resistance: 1MΩ minimum

■ **OUTPUT:** 0 – 1A DC
Load resistance: 20Ω maximum

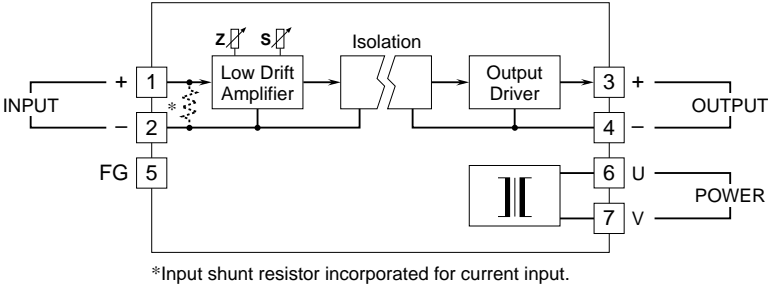
INSTALLATION

Power input: 85 – 264V AC, 47 – 66 Hz, approx. 75VA
Power consumption: approx. 12W excluding that of output current
Operating temperature: -5 to +45°C (23 to 113°F)
Operating humidity: 30 to 90% RH (non-condensing)
Mounting: surface
Dimensions: W130×H130×D202 mm (5.12"×5.12"×7.95")
Weight: 2 kg (4.4 lbs)

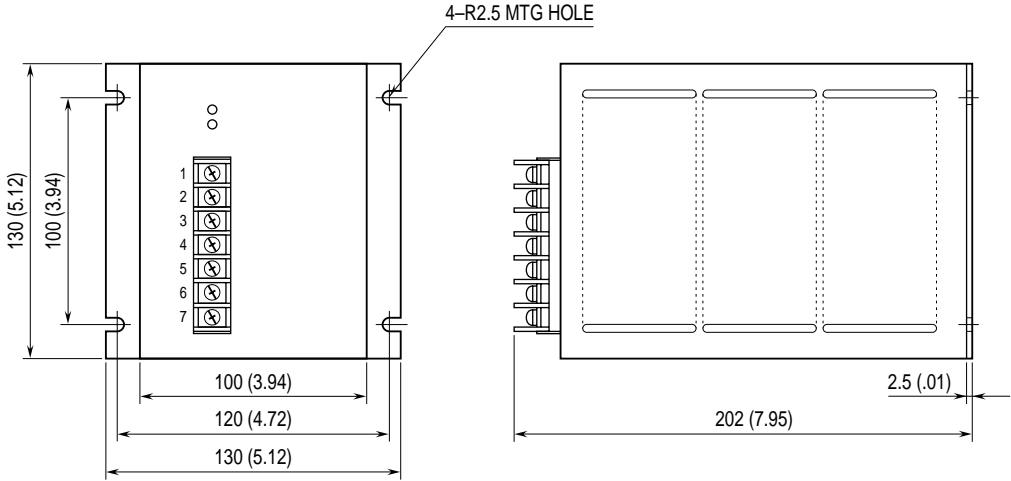
PERFORMANCE in percentage of span

Accuracy: ±0.2%
Temp. coefficient: ±0.02%/°C (±0.01%/°F)
Response time: ≤0.5 seconds (0 – 90%)
Line voltage effect: ±0.2% over voltage range
Insulation resistance: ≥100MΩ with 500V DC
Dielectric strength: 2000V AC @1 minute (input to output to power)
 2000V AC @1 minute (input to power to ground)
 500V AC @1 minute (output to ground)

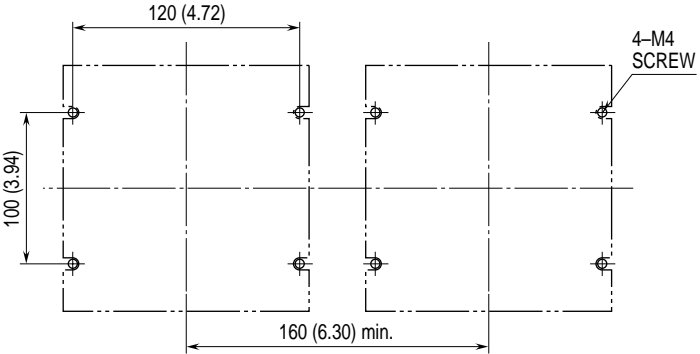
SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENT mm (inch)



MOUNTING REQUIREMENTS mm (inch)



Observe at the minimum of 30 mm (1.2") for ventilation in all directions.

Specifications subject to change without notice.