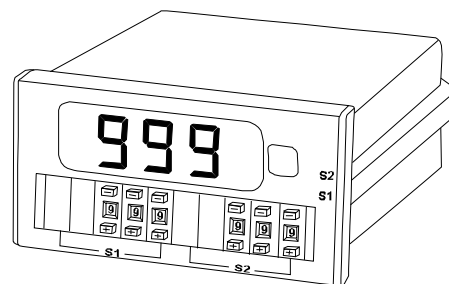


FEATURES

- 3 digits display: ± 999
- Accuracy: $\pm 0.1\%$ to $\pm 0.25\%$
- Auto-zero and hold function
- SPDT relay contact output
- Outside dimension is DIN standard (96x48mm)



SPECIFICATION

- **Input**

Variable to be Measured	Input Range	Input Impedance	Display Range
DC	0 ~ 5V 1 ~ 5V 0 ~ 10V 0 ~ 1mA 4 ~ 20mA 0 ~ 20mA	$\geq 300K\Omega$ $\geq 300K\Omega$ $\geq 240K\Omega$ 100 Ω 10 Ω 10 Ω	0 ~ ± 999
AC • TRMS	0 ~ 1A 0 ~ 5A 0 ~ 110V 0 ~ 220V 0 ~ 750V	0.1 Ω 0.1 Ω $\geq 1M\Omega$ $\geq 1M\Omega$ $\geq 3M\Omega$	

- **Analog output**

Output Range	Load Resistance	Output Resistance	Output Ripple	
1 ~ 5V	$\geq 1\text{K}\Omega$	$\leq 0.05\Omega$	$\leq 0.5\%$ RO. (Peak)	
0 ~ 10V				
0 ~ 1mA	$0 \sim 10\text{K}\Omega$	$\geq 20\text{M}\Omega$		
0 ~ 20mA	$0 \sim 500\Omega$	$\geq 5\text{M}\Omega$		
4 ~ 20mA				

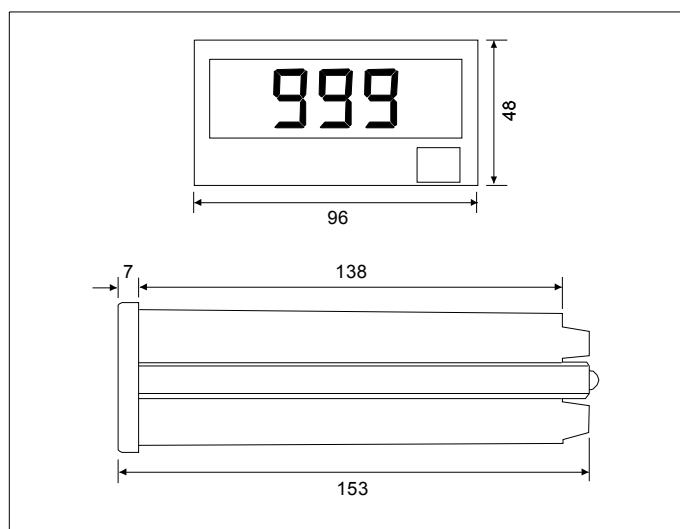
- **General**

Display.....	14.2mm(0.56")H, red LED
Accuracy.....	DC range $\leq\pm 0.1\%$ F.S ± 1 digit AC range $\leq\pm 0.25\%$ F.S ± 1 digit Output $\leq\pm 0.1\% \sim \pm 0.25\%$ RO. (Option: Depending on actual measuring)
Sampling time.....	Abt. 0.8 sec. Typically
Frequency range.....	45 ~ 70HZ for AC range
Over indication.....	Flash "OFL" or "-OFL"
Over input signal.....	Flash display
Setting range.....	0 ~ ± 999 setting
Control mode.....	Hi & Lo, S2=Hi, S1=Lo Hi & HiHi, S1=Hi, S2=HiHi Lo & LoLo, S2=Lo, S1=LoLo
Setting delay time.....	0 ~ 999 se c.
Memory backup.....	EEPROM
Relay contact output.....	AC 110V/220V, DC 24V, 5A
Aux. power source.....	AC/DC 85 ~ 265V, DC 20 ~ 60V
Power consumption.....	$\leq$ AC 8.5VA $\leq$ DC 5W
Sensor power supply.....	DC 24V, 30mA
Operating temperature range.....	0 ~ 60°C
Storage temperature range.....	-10 ~ 70°C
Temperature coefficient.....	≤ 100 PPM/°C
Max. relative humidity.....	95%
Dielectric strength (IEC 688).....	AC 2KV/1 minute Input/output/ power terminals AC 3KV/1 minute All terminals to case

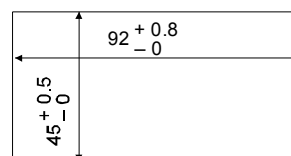
- **Electromagnetic compatibility**

Electrostatic discharge.....	IEC 61000-4-2
Electromagnetic fields immunity	IEC 61000-4-3
Electrical transient in burst	IEC 61000-4-4
Withstanding impulse voltage.....	IEC 61000-4-5
Immunity to voltage dips	IEC 61000-4-11

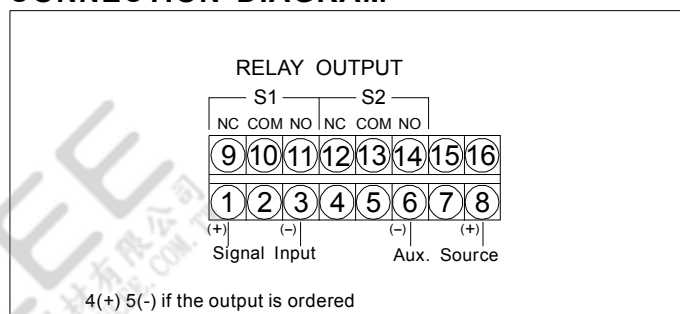
OUTSIDE DIMENSION (UNIT:mm)



- **PANEL CUT-OUT**



CONNECTION DIAGRAM



ORDERING INFORMATION

S2-300A-

Mode	Input	Measuring Range		Output	Aux. Source	Option
1: Hi 2: Hi-Lo 3: Hi-HiHi 4: LoLo-Lo	D: DC A: AC T: TRMS R: Pt100 K: K TYPE 0: Option	P1: 0 ~ 50mV P2: 0 ~ 60mV P3: 0 ~ 5V P4: 1 ~ 5V P5: 0 ~ 10V P6: 0 ~ 1mA P7: 4 ~ 20mA P8: 0 ~ 20mA	A7: 0 ~ 1A A8: 0 ~ 5A V6: 0 ~ 110V V7: 0 ~ 220V T1: 0 ~ 400°C T2: 0 ~ 1200°C 00: Option	V2: 1~5V V4: 0~10V A2: 0~1mA A3: 0~20mA A4: 4~20mA NO: None 00 : Option	1: AC/DC 85 ~ 265V 2: DC 20V ~ 60V 0: Option	A: Auto-zero H: Data hold D: Exciting DC 24V S: Start delay O: Set delay N: None