



4 DIGITAL METER RELAY

MODEL
S2-400A

FEATURES

- 4 digits display: ± 9999
- Accuracy: $\pm 0.05\%$ 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	$\geq 1M\Omega$	0 ~ ± 9999
	1 ~ 5V	$\geq 1M\Omega$	
	0 ~ 10V	$\geq 1M\Omega$	
	0 ~ 1mA	100 Ω	
	4 ~ 20mA	10 Ω	
	0 ~ 20mA	10 Ω	
AC • TRMS	0 ~ 1A	0.1 Ω	
	0 ~ 5A	0.1 Ω	
	0 ~ 110V	$\geq 1M\Omega$	
	0 ~ 220V	$\geq 1M\Omega$	
	0 ~ 750V	$\geq 3M\Omega$	

• Analog OUTPUT

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

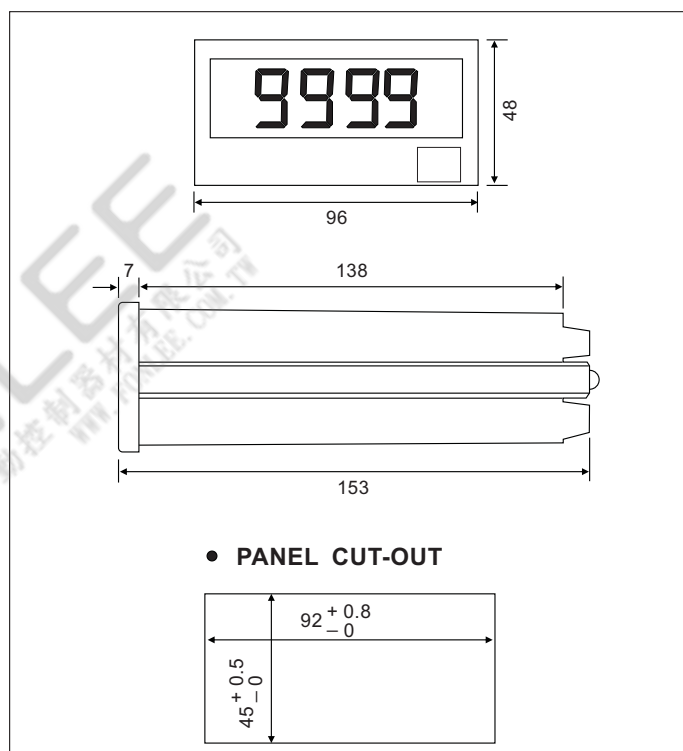
• General

Display. 14.2mm(0.56")H, red LED
Accuracy. DC range $\leq 0.05\%$ F.S. ± 2 digits
AC range $\leq 0.15\%$ F.S. ± 2 digits
Output $\leq \pm 0.1\% \sim \pm 0.25\%$ R.O.
(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. $\pm 0 \sim 9999$
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 sec.
Memory backup. EEPROM
Relay contact output. AC 110V/220V, DC 24V, 5A
Aux. power source. AC/DC 85 ~ 265V, DC 20 ~ 60V
Power consumption. AC $\leq 8.5VA$, DC $\leq 5W$
Sensor power supply. DC 24V, 30mA
Operating temperature range. 0 ~ 60°C
Storage temperature range. -10 ~ 70°C
Temperature coefficient. $\leq 100PPM/^{\circ}C$
Max. relative humidity. 95%
Dielectric strength (IEC 60688). AC 2KV/1 minute
Input/output/power terminals
AC 3KV/1 minute, All terminals to case

• Electromagnetic compatibility

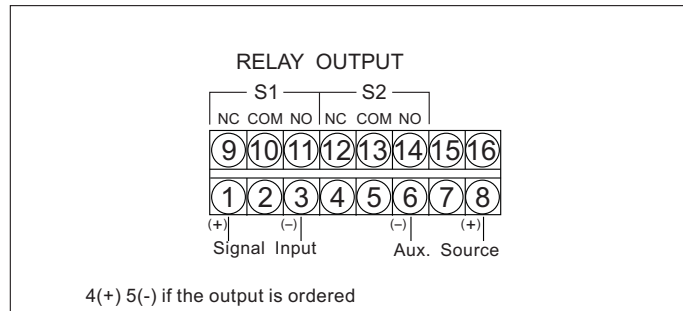
Electrostatic discharge IEC 61000-4-2
Electromagnetic fields immunity IEC 61000-4-3
Electrical transient in burst IEC 61000-4-4
Withstanding impulse voltage IEC 61000-4-5
Immunity to voltage dips IEC 61000-4-11

OUTSIDE DIMENSION (UNIT:mm)



• PANEL CUT-OUT

CONNECTION DIAGRAM



ORDERING INFORMATION

S2-400A-

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