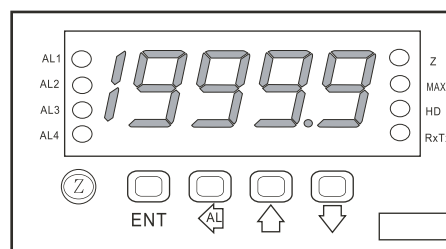


MICROPROCESSOR DIGITAL METER RELAY

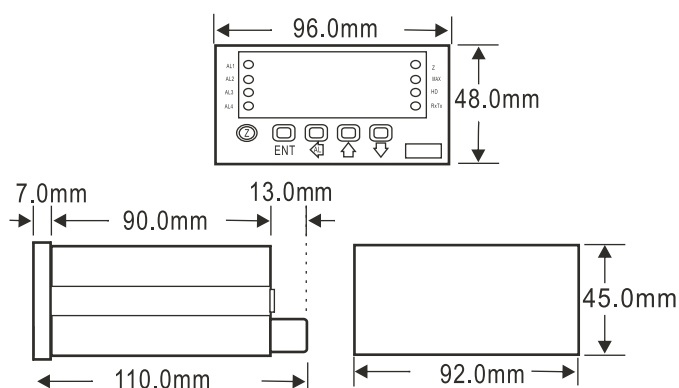
MODEL: MP-596A2(2-sets HI.LO), MP-596A4(4-sets HI.LO)



SPECIFICATION

- ◆ Accuracy : DC range $\pm 0.1\%$ F.S. ± 1 digits (DC/PT-100)
AC range $\pm 0.2\%$ F.S. ± 1 digits (AC)
- ◆ Display : 14.2mm(0.56)H, red LED
- ◆ Response time : 16cycles/sec
- ◆ Display Range : -19999 ~ 19999
- ◆ Zero adjust Range : -19999 ~ 19999
- ◆ Over indication : DoFL/ioFL or -doFL / -ioFL
- ◆ Polarity display : Input Polarity conflict-ing " - " display
- ◆ Memory backup : EEPROM
- ◆ Alarm action : Hi, Low selectable
- ◆ Start (Alarm) delay time : Setting 0~99sec
- ◆ Relay output : AC277V/7A, DC20V/7A
- ◆ Electrical Characteristics : RS-485 Modbus RTU
- ◆ Communication Method : 2-wires system half-duplex
- ◆ Transmission Speed : 2400/4800/9600/19200pbs
- ◆ Operating temperature range : 0~60°C ; 20~90%(not dew)
- ◆ Storage temperature range : -10~70°C ; 20~90%(not dew)
- ◆ Temperature coefficient : 100ppm/°C (0~60°C)
- ◆ Max. relative humidity : 95%
- ◆ Aux power source : AC/DC 100~240V, DC12/24/30~90V
- ◆ Dielectric strength : Between analog input and power terminals : AC 2.6KV for 1 Min.
DIN.IEC688
Between terminals and case : AC 4KV
for 1 Min.ANSI C37.90a/1983.DIN.
IEC 255-4
5KV, 1.2 x 50 s
DC 500V,100M

THE OUTSIDE DIMENSION



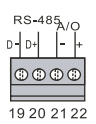
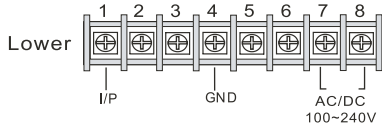
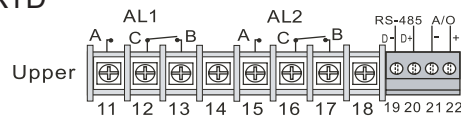
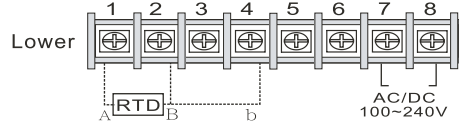
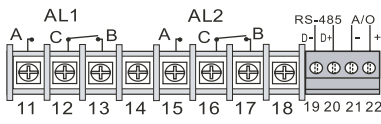
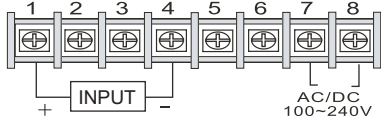
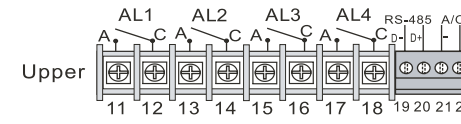
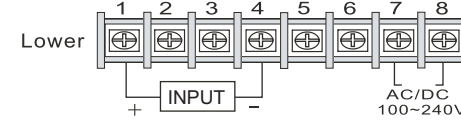
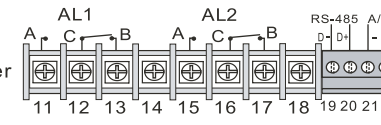
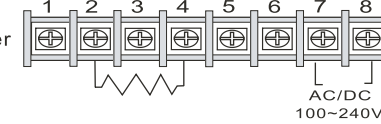
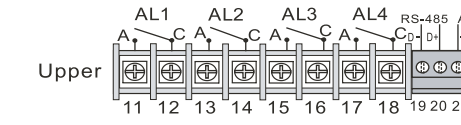
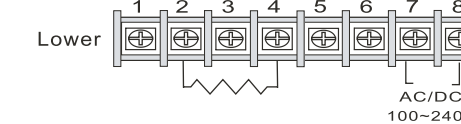
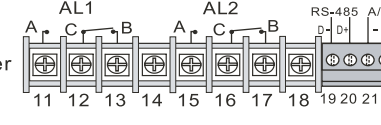
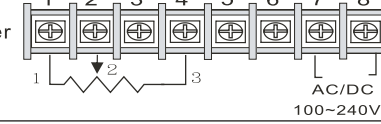
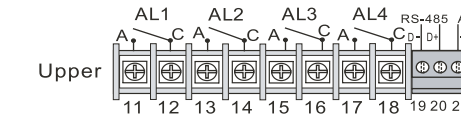
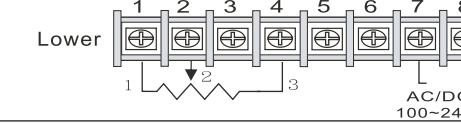
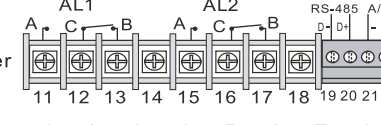
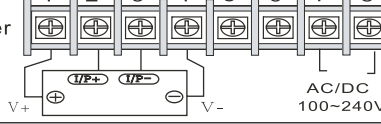
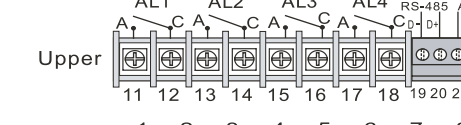
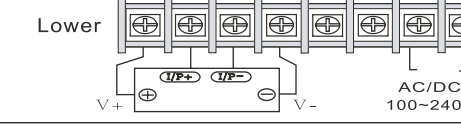
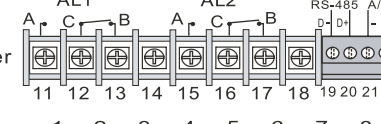
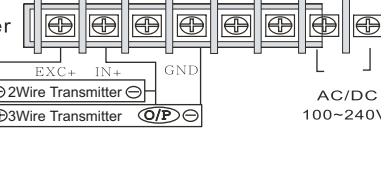
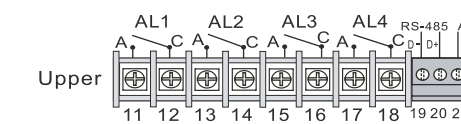
ORDERING INFORMATION

MP-596
MP-596A2 - [1] [2] - [3] - [4] [5] [6]
MP-596A4

1	INPUT	2	V	2	A	2	3-wire	2	2-wire	2	Pt-100	2	Load cell	3	Power	5	Output
D	DC	V1	0 ~ 50mV	A1	0 ~ 20uA	P3	500Ω ~ 10KΩ	I1	0 ~ 10Ω	T1	-50 ~ 50°C	L1	1mV/ V EX.5V	A	AC/DC100 ~ 240V	N	NO
A	AC(Aver.)	V2	0 ~ 5V	A2	0 ~ 200uA	P3	10KΩ ~ 100KΩ	I2	0 ~ 100Ω	T2	-100 ~ 100°C	L2	2mV/ V EX.5V	B	DC 12V	A	4 ~ 20mA
M	AC(Ture RMS)	V3	1 ~ 5V	A3	0 ~ 2mA	P3	100KΩ ~ 1MΩ	I3	0 ~ 1KΩ	T3	-200 ~ 200°C	L3	3mV/ V EX.5V	C	DC 24V	V	0 ~ 10V
P	3-wire Poten.	V4	0 ~ 10V	A4	0 ~ 20mA	PO	Option	I4	0 ~ 10KΩ	T4	0 ~ 600°C	L4	1mV/ V EX.10V	D	DC30 ~ 90V	O	Option
I	2-wire Resistor	V5	0 ~ 36V	A5	0 ~ 200mA			I5	0 ~ 100KΩ	TO	Option	L5	2mV/ V EX.10V				
T	Temp.(Pt100)	V6	0 ~ 300V	A6	4 ~ 20mA			IO	Option			L6	3mV/ V EX.10V				
L	Load cell	V7	0 ~ 600V	A7	0 ~ 2A							LO	Option				
2	2,3-wire transmitter	VO	Option	A8	0 ~ 5A												
4	4-wire transmitter			A9	0 ~ 10A												
				AO	Option												

4	Alarm	6	RS-485
N	NO	N	NO
R2	2 Relay	Y	YES
R3	3 Relay		
R4	4 Relay		
O2	2 O.C		
O3	3 O.C		
O4	4 O.C		

Wiring Diagram

● MP-596	2 ALARM
<p>Upper</p>  <p>Lower</p> 	<p>● RTD</p> <p>Upper</p>  <p>Lower</p> 
2 ALARM	4 ALARM
<p>● V, A (DC/AC)</p> <p>Upper</p>  <p>Lower</p> 	<p>● V, A (DC/AC)</p> <p>Upper</p>  <p>Lower</p> 
<p>● 2-Wire Resistor</p> <p>Upper</p>  <p>Lower</p> 	<p>● 2-Wire Resistor</p> <p>Upper</p>  <p>Lower</p> 
<p>● 3-Wire Potentiometer</p> <p>Upper</p>  <p>Lower</p> 	<p>● 3-Wire Potentiometer</p> <p>Upper</p>  <p>Lower</p> 
<p>● 4-Wire Load Cell</p> <p>Upper</p>  <p>Lower</p> 	<p>● 4-Wire Load Cell</p> <p>Upper</p>  <p>Lower</p> 
<p>● 2,3 Wire Transmitter</p> <p>Upper</p>  <p>Lower</p> 	<p>● 2,3 Wire Transmitter</p> <p>Upper</p>  <p>Lower</p> 