

3 1/2 DIGITAL METER RELAY

MODEL **DMR-31 DMR-32**

3 1/2數字設定電錶



SPECIFICATIONS

規格

Display 顯示位數	3 1/2 (1999) 0.36" (9.1mm), Red LED
Accuracy 精確度	DC $\pm 0.1\%$ RD. ± 1 digit AC $\pm 0.25\%$ F.S. ± 1 digit Hz $\pm 0.2\%$ RD. ± 2 digits RTD $\pm 0.5^\circ\text{C}$, ± 2 digits
Conversion rate (about) 轉換速率	3/sec. (DC), 1/sec (AC, HZ, RTD)
Over input indication 輸入超載指示	"000" flash
Polarity 極性	Only "-" Display
Frequency range 頻率範圍	45~400Hz for AC range
Operating temp 工作環境溫度	0~60°C
Storage temp 存儲溫度	-10~70°C
Temp. coefficient 溫度影響係數	$\leq 100\text{PPM}/^\circ\text{C}$ ($\leq 60\text{PPM}/^\circ\text{C}$, $25^\circ\text{C} \pm 10^\circ\text{C}$)
Max. relative humidity 最大環境濕度	95%
Dielectric strength 絕緣特性	AC 2KV/1 min. (Input/power/case)
Surge test 突波測試	4KV/1.2x50 μs , IEC 255-4
Aux. Power 工作電源	AC 115V/230V $\pm 10\%$, 50/60 Hz DC 24V, 48V, 110V $\pm 20\%$ (option)
Setting Range 設定範圍	0 $\pm$ 1999
Relay Contact Output 繼電器輸出	AC 240V, 4A, DC 30V/5A
Power consumption 消耗功率	AC 3.5VA, DC 3W
Weight (about) 重量(約)	460g

FEATURES

產品特色

- 3 1/2 Display(1999)
- Measuring DCV, DCA, ACV, ACA, Frequency, RTD.
- Output DC 24V (Option)
- Hi or Lo Setting Delay 0~30sec. (Option)
- DIN Size 96 $\times$ 48mm.

- 3 1/2位數顯示 (1999)
- 可量測DCV、DCA、ACV、ACA、頻率、RTD
- DC 24V輸出(選項)
- Hi或Lo延遲0~30秒啟動裝置(選項)
- 尺寸: 96 $\times$ 48mm

ORDER CODE	RANGE	INPUT IMPEDANCE	INPUT PROTECTION
V1	0~199.9mV	$\geq 10\text{M}\Omega$	100V
V2	0~1.999V	$\geq 10\text{M}\Omega$	250V
V3	0~19.99V	$\geq 1\text{M}\Omega$	500V
V4	0~199.9V	$\geq 1\text{M}\Omega$	750V
V5	0~600V	$\geq 1\text{M}\Omega$	750V
A1	0~199.9 μA	$\leq 1\text{K}\Omega$	100mA
A2	0~1.999mA	$\leq 100\Omega$	300mA
A3	0~19.99mA	$\leq 10\Omega$	500mA
A4	0~199.9mA	$\leq 1\Omega$	1A
A5	0~1.999A	$\leq 0.1\Omega$	5A
A6	0~10.00A	$\leq 0.01\Omega$	15A
E1	DC 4~20mA	$\leq 20\Omega$	500mA
E2	DC 0~10V	$\geq 1\text{M}\Omega$	500V
E3	DC 1~5V	$\geq 1\text{M}\Omega$	500V
E4	DC 0~50mV	$\geq 10\text{M}\Omega$	100V
E5	DC 0~200mV	$\geq 10\text{M}\Omega$	100V
E6	AC 0~5A	$\leq 0.01\Omega$	10A

Comparative Condition

indication > Setpoint $\rightarrow$ Hi LED on
indication < Setpoint $\rightarrow$ Lo LED on (DMR-31 series)
indication > Hi setting $\rightarrow$ Hi LED on
Lo setting < indication < Hi setting $\rightarrow$ Go LED on
indication < Lo setting $\rightarrow$ Lo LED on (DMR-32 series)

ORDERING INFORMATION

訂貨資訊

ONE SETTING DMR-31 ☐ ☐ ☐ ☐ ☐
TWO SETTING DMR-32 ☐ ☐ ☐ ☐ ☐

(Where select E1~EY, P1~PY Please Remark Display Range) (當選擇E1~EY, P1~PY時, 請告知顯示範圍)
(Where select DC 24V/30mA Output "GO" is omitted) (當選擇DC 24V/30mA輸出時, "GO" 會忽略不記)

NO.	INPUT TYPE	NO.	VOLTAGE	NO.	CURRENT	NO.	ANALOG	NO.	FREQUENCY	NO.	PT100 Ω DIN	NO.	AUX. POWER	NO.	OUTPUT
D	DC	V1	0~199.9mV	A1	0~199.9 μA	E1	DC 4~20mA	P1	0~100Hz	B1	-10~50.0°C	1	AC 115/230V	4	DC 24V/30mA
A	AC	V2	0~1.999V	A2	0~1.999mA	E2	DC 0~10V	P2	0~200Hz	B2	0~ $\pm 199.9^\circ\text{C}$	A	DC 24V	N	NONE
T	AC TRMS	V3	0~19.99V	A3	0~19.99mA	E3	DC 1~5V	P3	0~1KHz	B3	0~50°C	B	DC 48V		
O	ANALOG	V4	0~199.9V	A4	0~199.9mA	E4	DC 0~50mV	P4	0~10KHz	B4	0~100.0°C	C	DC 110V	NO	SET DELAY
F	FREQUENCY	V5	0~600V	A5	0~1.999A	E5	DC 0~200mV	P5	0~50KHz	B5	0~199.9°C	Y	OPTION	A	HI 0~30 sec.
C	RTD PT100 Ω	VY	OPTION	A6	0~10.00A	E6	AC 0~5A	PY	OPTION	B6	0~400°C			B	HI, LO 0~30 sec.
				AY	OPTION	EY	OPTION		I/P LEVEL 2~30V	BY	OPTION			N	NONE

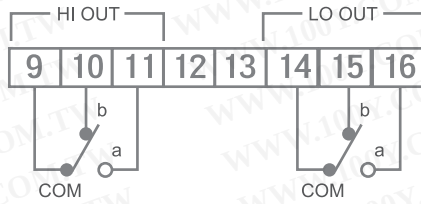
勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

CONNECTION DIAGRAMS

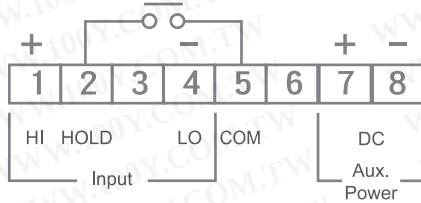
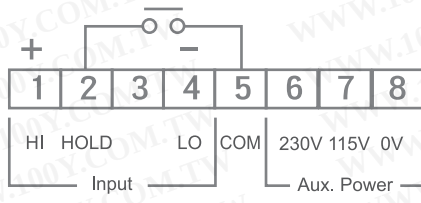
連接示意圖

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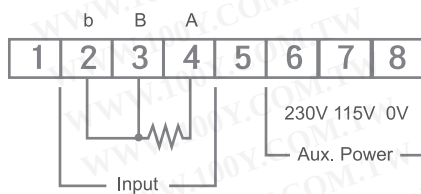
UPPER



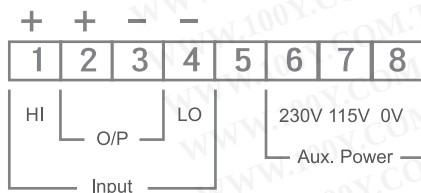
DMR-31D, 31A, 31T, 310, 31F



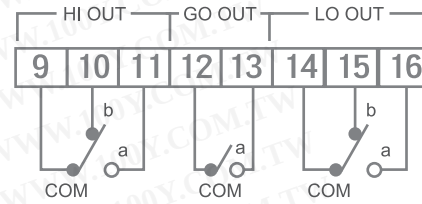
DMR-31C



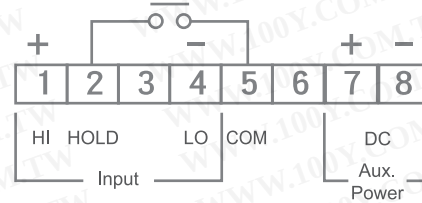
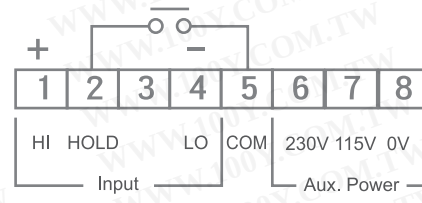
DC 24V OUTPUT(OPTION)



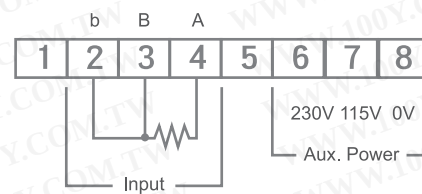
UPPER



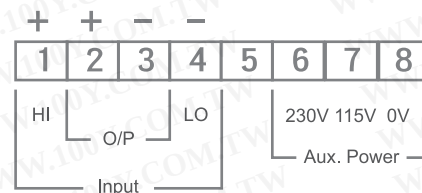
DMR-32D, 32A, 32T, 320, 32F



DMR-32C



DC 24V OUTPUT(OPTION)



DIMENSIONS (UNIT:mm) 尺寸

DMR-31

FRONT

DMR-32

SIDE

PANEL CUTOUT

