

DIGITAL PANEL METER, DR99DCV, DR99ACV, DR99DCA, DR99ACA, DR99420

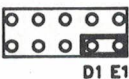
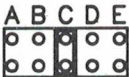
SPECIFICATIONS				
Display	14.3 mm (0.56") high brightness red LED, 3 1/2 digits, Max. indication ± 1999 .		Current range voltage drop	199.9 mV, in case of full scale.
Model & Range	Model	Range	Dimension	Case size: front panel-96x48mm. (DIN size) case-92x42mm. behind panel depth-104mm. Panel cut size: 93x43mm.
	DR99DCV	199.9 DCmV, 1.999 DCV, 19.99 DCV, 199.9 DCV, 1000 DCV.		
	DR99ACV	199.9 ACmV, 1.999 ACV, 19.99 ACV, 199.9 ACV, 750 ACV.	Power	AC 110V, 220V (or 240V, internal adjustment.)
	DR99DCA	199.9 DCuA, 1.999 DCmA, 19.99 DCmA, 199.9 DCmA, 1.999 DCA, 10 DCA.	Power Consumption	Approx. AC 14 mA (AC 110V Power). Approx. AC 8 mA (AC 220V/240V Power).
	DR99ACA	199.9 ACuA, 1.999 ACmA, 19.99 ACmA, 199.9 ACmA, 1.999 ACA, 10 ACA.	Operating Temperature	0°C to 50°C (32°F to 122°F).
Decimal point & Range Adjustment	Decimal point & range adjustment (DR99DCV, DR99ACV, DR99DCA, DR99ACA) are easy adjust by internal jumper on circuit board.		Accuracy (23 \pm 5°C) after calibration	DCV, DCA - Less than 0.5%. ACV, ACA - Less than 0.8%.
			ACV, ACA Frequency Character	Frequency character 40 to 1 KHz, (spec. calibration on 60Hz/50Hz). Converter response - Average responding, calibrated to display RMS value of sine wave.
Volt range input impedance	10 Meg ohms.			

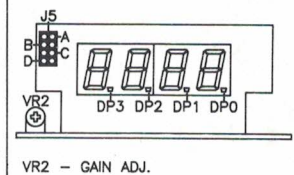
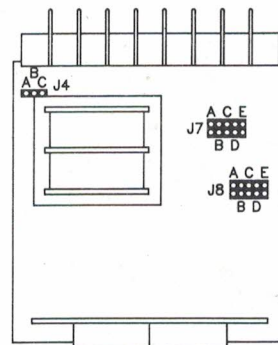
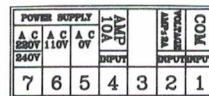
ORDER CONSIDERATION

- * For the models: DR99ACV, DR99DCV, DR99ACA, DR99DCA
If the customer order quantity more than 50 pcs for one fix range per order, then we can make range pre-adjustment in the factory. Otherwise before exit the factory will make pre-range adjustment to 199.9 DCV range for DR99DCV, 750 ACV range for DR99ACV, 2 DCA range for DR99DCA, 2 ACA range for DR99ACA.
- * DR99420 CIRCUIT BOARD ARE BUILT IN "ZERO adjust VR" & "GAIN adjust VR", easy to match most kinds of transducer (WATT, PRESSURE, LOAD CELL, STRAIN GAUGE....) to get digital display.
Note: When order DR99420, It is necessary to inform "input signal 4 mA" equal what reading values & "input signal 20 mA" equal what reading values.

HIGH DC CURRENT MEASUREMENT (Match external shunt)		HIGH AC CURRENT MEASUREMENT (Match external CT or shunt)	
Max. range	Model	Max. range	Model
DC 50A	DR99DCV (SHUNT 50A/50mV)	AC 50A	DR99ACV (SHUNT 50A/50mV)
DC 500A	DR99DCV (SHUNT 500A/50mV)	AC 100A	DR99ACA (CT 100/5A)
DC 1000A	DR99DCV (SHUNT 1000A/50mV)	AC 500A	DR99ACA (CT 500/5A)
DC 2000A	DR99DCV (SHUNT 2000A/50mV)	AC 1000A	DR99ACA (CT 1000/5A)

JUMPER SELECTION (DR99ACV, DR99DCV, DR99ACA, DR99DCA)

VOLT RANGES (ACV, DCV) JUMPER SELECTION					
RANGE	JUMPER WIRE, J8				
	A	B	C	D	E
199.9 mV					short
1.999 V				short	
19.99 V			short		
199.9 V		short			
AC750V, DC 1000 V	short				
Note: For AC 2 V range, if the noise interfeer the display reading due to high signal input impedance, then it may solved the problem from change the 10 Meg impedance to 1 Meg ohm according following jumper selection:					
J7, D1&E1 short  J7					
J8, C short  J8					
CURRENT RANGES (ACA, DCA) JUMPER SELECTION					
RANGE	JUMPER WIRE, J7				
	A	B	C	D	E
199.9 uA					short
1.999 mA				short	
19.99 mA			short		
199.9 mA		short			
1.999 A	short				
10 A					
DECIMAL POINTS JUMPER SELECTION					
DECIMAL POINT	JUMPER WIRE, J5				
	A	B	C	D	
DP0	short				
DP1		short			
DP2			short		
DP3				short	



POWER SUPPLY AC 220V or AC 240V JUMPER SELECTION

AC 240V | AB short (Jumper wire J4)

AC 220V | BC short (Jumper wire J4)