



**Connections**



These instruments are designed for maximum safety to the operator when mounted in a panel according to instructions. They are not to be used unmounted or for exploratory measurements in unknown circuits.

**Pin Connections**

The signal and power inputs are made on the rear connector. Make sure the connector is firmly attached to the meter. Connections for each pin are summarized in the table below. This allows the meter to be used in multiple locations by moving it from connector to connector. Additional connectors are available.

**Input Signal**

The "+" signal input is connected to Pin S. The "-" signal input (common) is connected to Pin P.

**Display Hold**

This optional feature must be specified when ordering. By shorting Pin H to Pin J, the displayed value can be held indefinitely. This short can be controlled by a switch (optional). This will allow the operator to flip the switch

(holding the display) and to take a reading. The switch is then turned off, and the display functions normally again.

**Supply Power**

If the unit is VAC powered, attach the neutral to Pin C. The Ground is connected to Pin #1 and A. The High (or Hot) is connected to Pin E. If your application changes and you want the unit to be 220 VAC power supplied, return the unit to our factory or to an Authorized Service Center.

If the unit is powered by VDC, attach the VDC return to Pin #1 and A. The "+" VDC is connected to Pin #4.

**Remote Decimal Point**

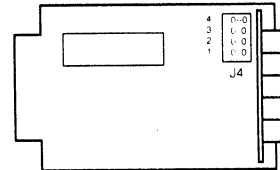
This option allows you to remotely select different decimal points without opening the meter to make the changes. This option can be installed by the factory or one of our Authorized Service Centers. Remote Decimal Point uses the same terminal points as BCD outputs, eliminating the BCD capabilities if specified.

Pin Number	2842 Circuit	Pin Number	2842 Circuit
1	3rd wire GND	A	3rd wire GND
2	NC	B	NC
3	NC	C	120VAC Neutral
4	NC	D	NC
5	NC	E	120VAC High
6	NC	F	NC
7	(Strobe)	H	(Hold/Remote DP Common)
8	(LSD, A0)	J	Digital Common
9	(A1)	K	(A, B1, or DP3)
10	(A2)	L	(B, B2, or DP2)
11	(A3)	M	(C, B3, or DP1)
12	(MSD, A4)	N	(D, B4, or DP4)
13	Polarity	P	"-" Input Common
14	NC	R	NC
15	NC	S	"+" Input

**Jumper Decimal Point**

The decimal point can be changed by moving Jumper J4 inside the unit. The meter must be disassembled, exposing the main board. The Edge Connector should be removed first. Next, remove the two screws on the back of the bezel. Remove the front bezel, and slide out the main board.

Jumper Position	Decimal Point Position
4	1000.0
1	100.00
2	10.000
3	1.0000



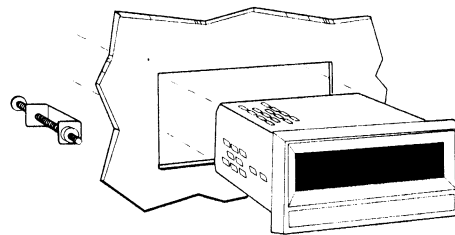
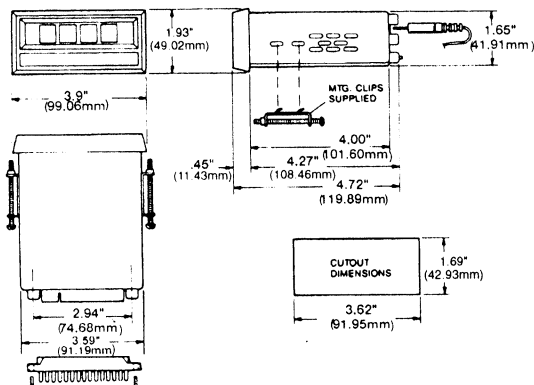
The Jumper Positions are printed on the main circuit board of the meter. After moving the jumper to the location you selected, slide the circuit board back into the meter case and reassemble the meter.

**Accessories**

Optional Mounting Hardware	Catalog Number
1/8 DIN Panel Adapter	22992
"U" Type Mounting Bracket	22991
Extra Edge Connector	22991

Please see the Accessory Section for full details on Mounting Hardware.

**Installation and Panel Cutout**



**Mounting Instructions**

The 2842 indicators are installed with the mounting hardware provided. Slide the meter through the panel cutout. Next, insert a side mounting bracket to each side of the meter. Use the two holes located near the bezel to attach them to the meter. Slide the brackets back until they lock into the meter. Turn the screws in each bracket until they firmly contact the panel surface. Attach the wiring connections to the meter.