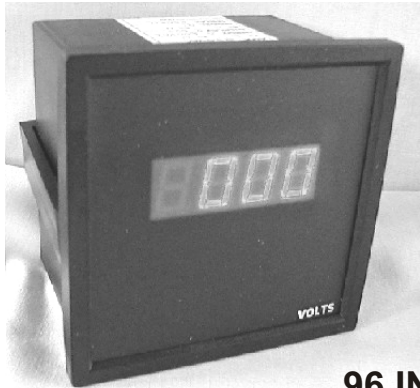




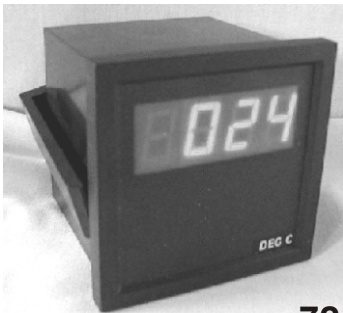
# Models 489 IND, 96 IND, 72 IND, 48 IND DIGITAL PANEL METERS



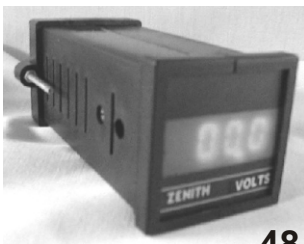
**489 IND**



**96 IND**



**72 IND**



**48 IND**

These are a range of **3 ½ digit** digital panel meters able to indicate from -1999 to + 1999 on a 14 mm (10 mm on the 48 IND) red LED display .

WE OFFER THE FOLLOWING RANGES :

VOLTS AC DIRECT ( 0 - 600 VAC )  
or ( 0 - 199,9 VAC )  
or ( 0 - 19,99 VAC )

VOLTS DC DIRECT ( 0 - 600 VDC )  
or ( -199,9 TO 199,9 VDC )  
or ( -19,99 TO 19,99 VDC )

AMPS AC DIRECT ( 0 - 1 AAC )  
or ( 0 - 5 AAC )

AMPS DC DIRECT ( 0 - 1 ADC )  
or ( 0 - 5 ADC )

AMPS AC ( C.T. ) FROM 0 UP TO A MAXIMUM OF 1999 AMPS AC THROUGH A 1 OR 5 AAC CURRENT TRANSFORMER

AMPS DC ( SHUNT ) FROM 0 UP TO A MAXIMUM OF 1999 AMPS DC THROUGH A 50 OR 60 mVDC SHUNT etc.

TEMPERATURE Pt100 -100,0 TO 199,9 °C  
Pt100 -100 TO 400 °C  
TYPE J 0 TO 600 °C  
TYPE K 0 TO 1300 °C

INSTRUMENTATION SIGNALS, 0-20 mADC  
TO DISPLAY VARIOUS RANGES 4-20 mADC  
0-5 VDC  
1-5 VDC  
0-10 VDC

IF YOU REQUIRE A DISPLAY THAT **EXCEEDS 3 ½ DIGIT**, THEN WE ALSO OFFER A **4 ½ DIGIT** ( -19999 TO + 19999 ) WHICH IS ONLY AVAILABLE IN THE 96 x 96 AND 96 x 48 SIZES.

### Supply Voltage

230 VAC , 115 VAC ,  
110 VDC , 24 VDC ,  
12 VDC

### Current Consumption

+/- 10 mA @ 230 VAC

#### Physical Dimensions 489 IND

Bezel Size 97 x 49 mm  
Cutout Size 91 x 42 mm  
Depth 80 mm

#### Physical Dimensions 96 IND

Bezel Size 97 x 97 mm  
Cutout Size 89 x 89 mm  
Depth 80 mm

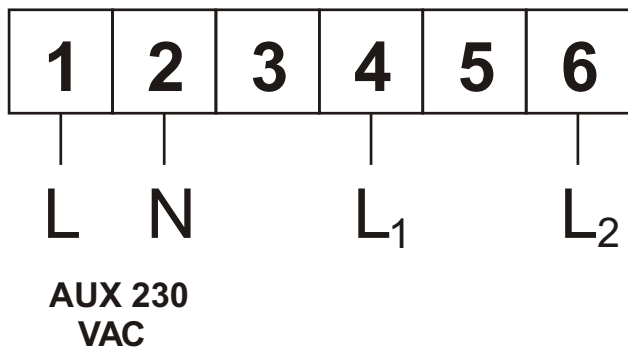
#### Physical Dimensions 72 IND

Bezel Size 73 x 73 mm  
Cutout Size 66 x 66 mm  
Depth 80 mm

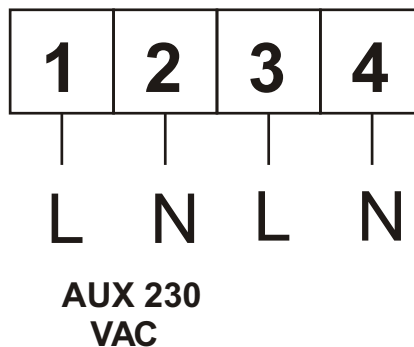
#### Physical Dimensions 48 IND

Bezel Size 48 x 48 mm  
Cutout Size 45 x 45 mm  
Depth 125 mm

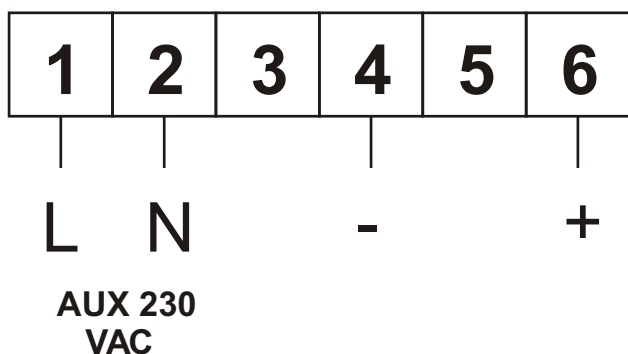
## VOLTS AC 6 - WAY



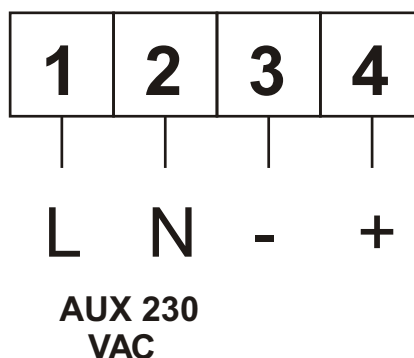
## VOLTS AC 4 - WAY



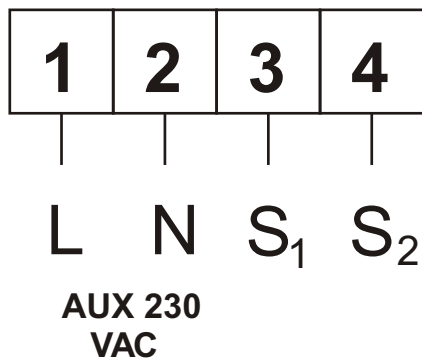
## VOLTS DC 6 - WAY



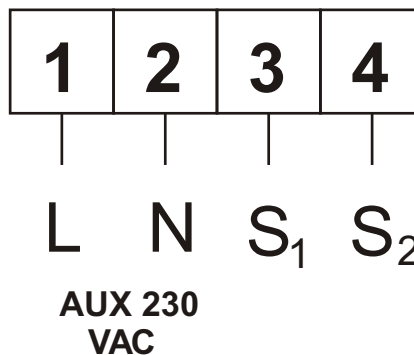
## VOLTS DC 4 - WAY



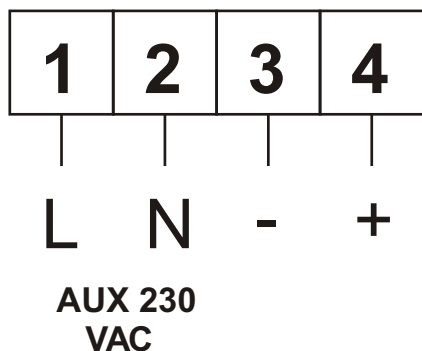
## AMPS AC DIRECT



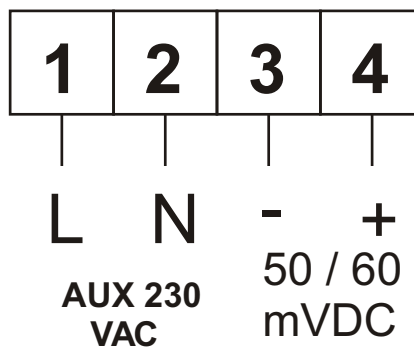
## AMPS AC ( C.T. )



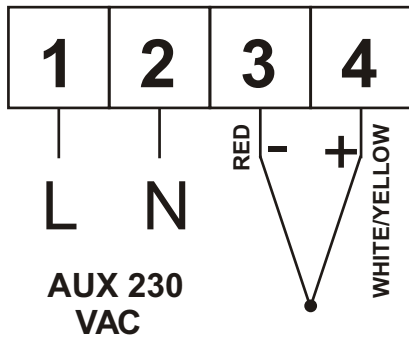
## AMPS DC DIRECT



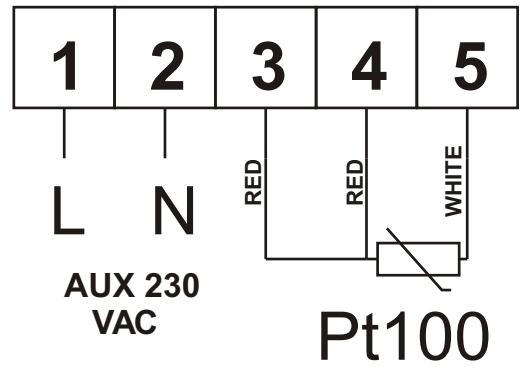
## AMPS DC SHUNT



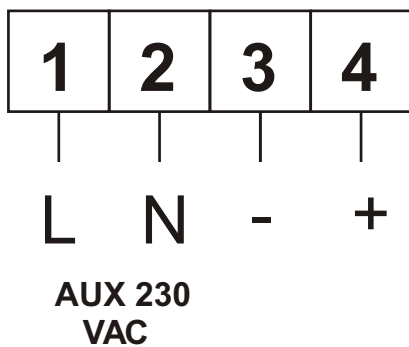
# THERMOCOUPLE



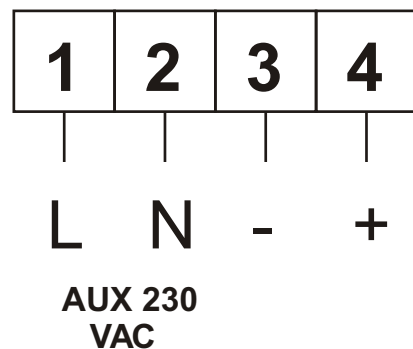
# Pt100 5 - WAY



# 0 - 10 VDC SIGNAL



# 4 - 20 mA SIGNAL



# TAP POSITION IND.

