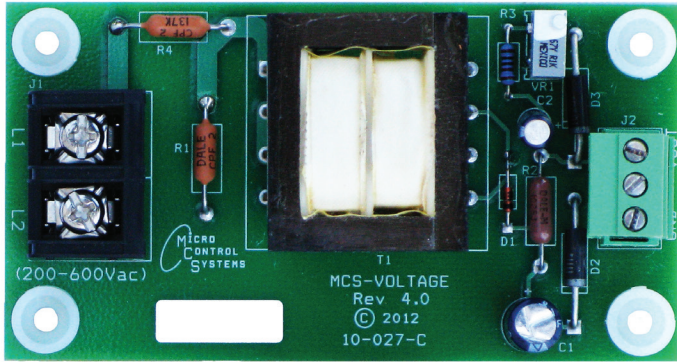




MCS-VOLTAGE

Description & Specifications



Part # **MCS-VOLTAGE**

Specifications

Package Dimensions:

Width 2.125"
 Length..... 4.00"
 Height 1.50"

Mounting Holes..... 4 holes using #6 sheet metal screws through nylon collars at corners of board

Measurement Range 200 to 600vac
 Output Voltage..... 1.42 to 4.91vdc
 Accuracy..... ±2.0% of reading
 Operating Temperature..... -40°F to +175°F (-40°C to +80°C)
 Storage Temperature..... -40°F to +175°F (-40°C to +80°C)

Description

The MCS-VOLTAGE board accepts AC voltage inputs of 200 to 600vac and generates a voltage output of 1.42 to 4.91vdc to a sensor input of a MCS-MAGNUM micro controller that is programmed to convert this signal to the corresponding ac voltage.

Since the dc signal voltage is derived from the input ac voltage, the output of the MCS-VOLTAGE board is not ratiometric with respect to the A/D converter reference voltage.

Input to Output Voltage Chart

Input Voltage (AC)	Output Voltage (DC)
200	1.42
220	1.59
240	1.76
260	1.93
280	2.10
300	2.27
320	2.45

Input Voltage (AC)	Output Voltage (DC)
340	2.62
360	2.79
380	2.97
400	3.14
420	3.31
440	3.48
460	3.66

Input Voltage (AC)	Output Voltage (DC)
480	3.83
500	4.00
520	4.19
540	4.37
560	4.55
580	4.73
600	4.91