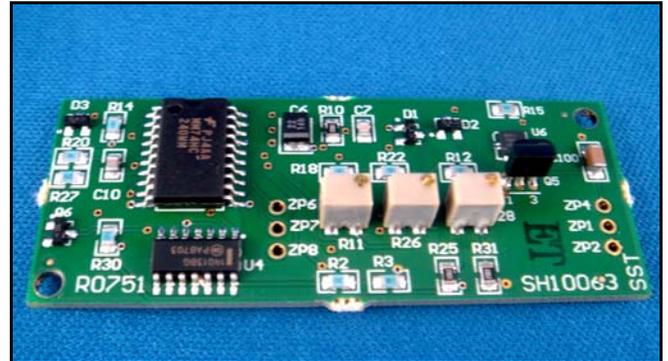


SA40072 – 4 to 20mA Signal Conditioner

The **SA40072** is a single channel signal conditioner, which provides a 4 to 20mA output. With the ability to interface directly with the complete line of *Spectron* single axis electrolytic tilt sensors (not included), the **SA40072** is the perfect solution for narrow or wide angle measurements. The open architecture design is ideal for space restrictive / OEM applications, while the 4-20mA output can be easily interfaced to most industrial /process industry controllers. The sensor is remotely mounted from the electronics, thereby providing maximum installation flexibility.



General Specifications

Input Voltage+14 to +24Vdc
 Input Current 30mA (max)
 Output 4-20mA
 Load (maximum)
 - 500 ohms @ +14Vdc input
 - 1,000 ohms @ +24Vdc input
 Operating Temp range -20 to +70 degC

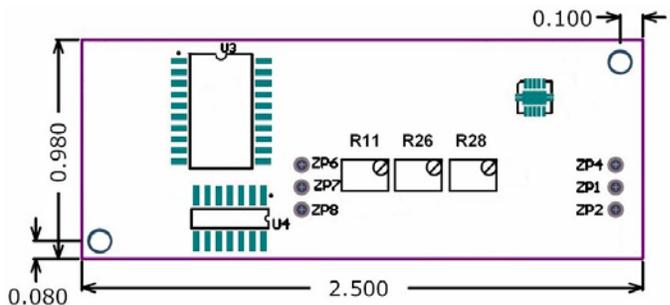
Input/Output Connections

PCB Location	Function
ZP1	Input Voltage
ZP2	Ground
ZP4	4-20mA output
ZP6	sensor electrode 'A'
ZP7	sensor electrode 'B'
ZP8	sensor neutral (center)

Output Ripple (noise)

Output (mA)	Load (ohms)	Ripple (uA @ 600Hz)
19	475	38
12	475	2
5	475	38

Dimensions (inches)



Adjustment Potentiometers

PCB Location	Function
R28	Null (12mA)
R11	Positive Output (20mA max.)
R26	Negative Output (4mA min.)

Mounting Holes – M2.5 (2 places)

Consult factory for technical information and ordering details!



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