



MODELS 4N04 and 4N04S (split type)

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ULTRA SENSITIVE METAL OXIDE VARISTOR (MOV) CURRENT TRANSFORMER

MODEL: 4N04-50mA:XVAC-15mmX105mm
X=OUTPUT VOLTAGE (STANDARD 1VAC OR 2VAC)
4N04S = SPLIT TYPE

The 4N04 is a modified 4AN4 containing an internal amplifier to increase the 5mV output of the current transformer to a larger signal level. The output signal can be set to 1 volt, 2 volts or other level required by the customer. The input of the internal amplifier is protected by ultra fast acting high current, high voltage damping diodes to limit the input during very high dynamic current (see specifications below). An external dual power supply is required. The 4N04 can be provided either split apart or non-split. Both styles are encapsulated for outdoor installation.



Specifications

Drawing (general control drawing)	1324100 (Sentran Corp)
Window size (for bus bar)	15mm (+/- 1mm) X 105mm (+/-3mm) (h*w)
Rated primary current	50mA
Primary Current Range	1 to 50mA
Rated frequency	50/60Hz
Rated output (uses internal amplifier)	1.00 VAC, 2.00 VAC or as ordered
Accuracy specified at Full Scale	+/- 1% @ 50mA
Accuracy at lower current	+/- 1% @ 40mA, +/- 1.5% down to 5mA and 3% below 5mA
Output impedance, Zout	Approximately 100 ohms
Acceptable load of output	At least 100 times Zout
Rated insulation level	600VAC, class 85
Rated short time thermal current	580 A for 200ms
Rated dynamic current	50,000 A for 1.2ms and 60,000 a for 200uS
Weight	2 kg not counting the cable
Dimensions, outside, maximums	150mm long x 30mm thick x 94mm wide
Signal cable	Twisted pair sheath + woven shield
factory number	Sentran special order (to be assigned)
lengths	Specified by customer
rated voltage	300 VAC or as ordered
temperature range	-15 to +70 C
Power cable	3 Conductor/Sheath + Woven Shield
factory number	Sentran special order (to be assigned)
lengths	Specified by customer
rated voltage	300 VAC or as ordered
temperature range	-15 to +70 C