Introduction:

Current Sensor Expert
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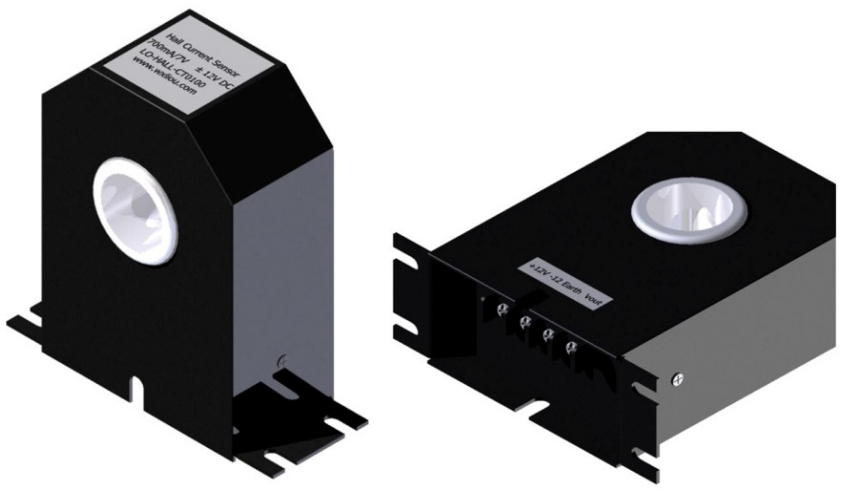


Closed-loop sensors measure AC and DC currents and provide electrical isolation. They offer fast response, high linearity, and low temperature drift. The current output of the closed-loop sensor is relatively immune to electrical noise. The Closed- Loop sensor is sometimes called a 'Zero-Flux' sensor because its Hall-Effect sensor feeds back an opposing current into a secondary coil, wound on the magnetic core to zero the flux produced in the magnetic core by the primary current. Closed-loop sensors are often the sensor of choice when high accuracy is essential.

Features:

- Wide frequency range
- Good overall accuracy
- Fast response time
- Low temperature drift
- Excellent linearity
- No insertion loss

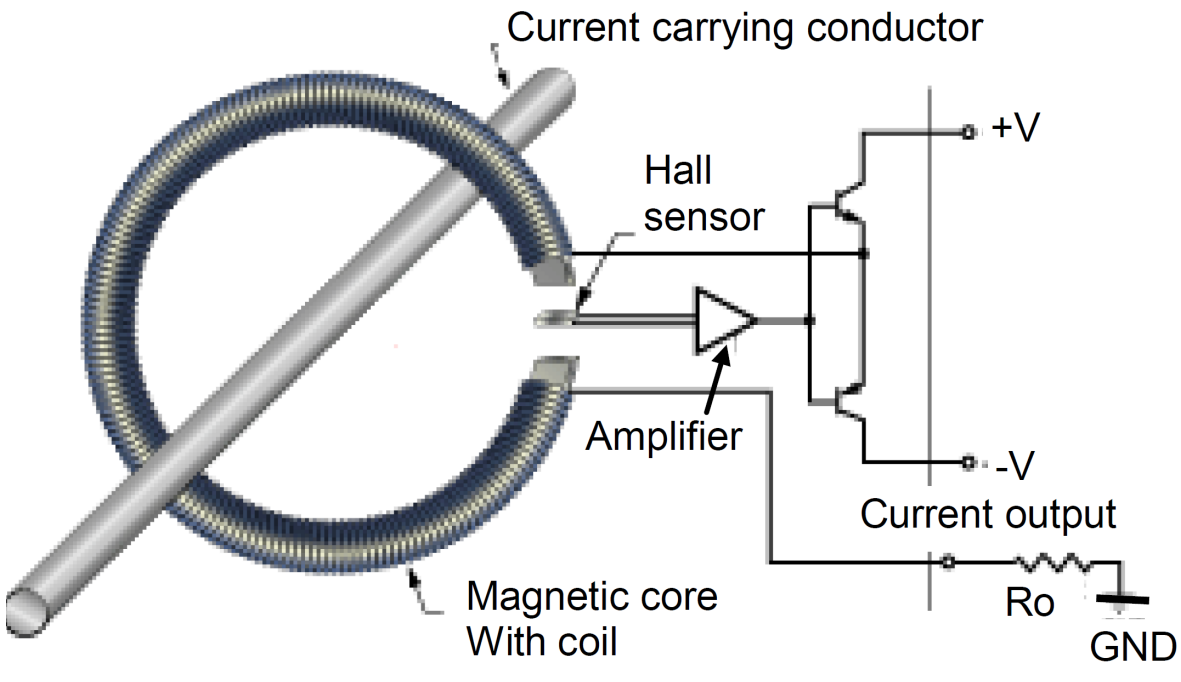
Applications:

AC inverters	DC motor drive static converters
Communication power supplies	Uninterruptible power supplies
Switch power supplies	Welder power applications
UPS power supply	New energy
Smart transportation	Chemicals and Machinery

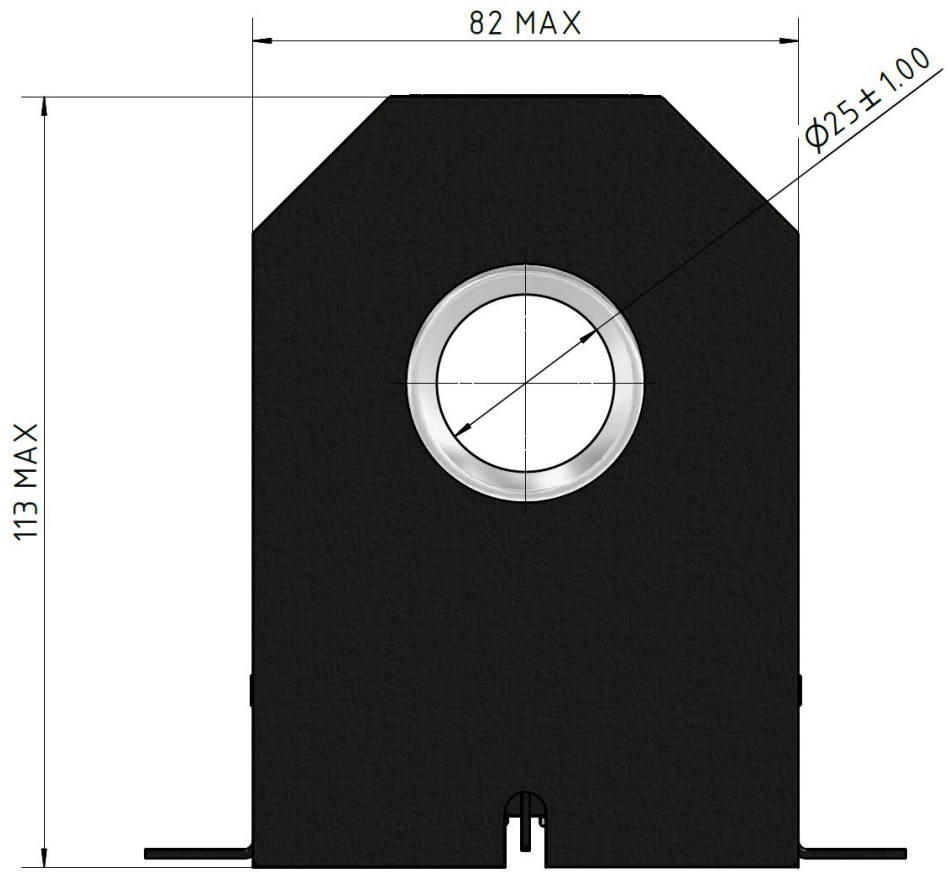
Electric specifications:

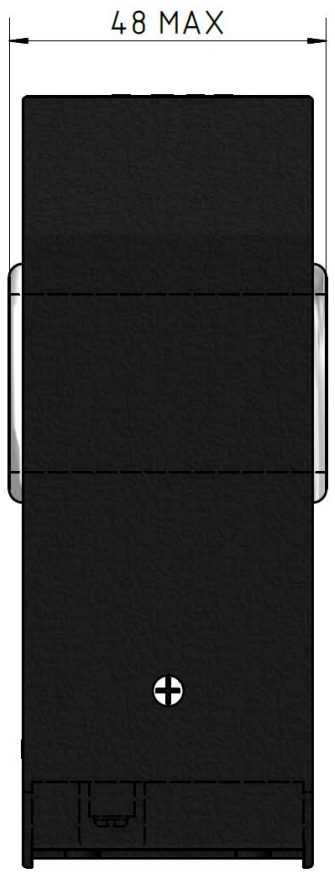
	P/N	**LO-HALL-CT0100 700mA/7V**
I_n	Rated Input(AC)	700mA
I_P	Testing range	0.01-700mA
R_M	Testing resistor	>10KΩ
V_M	Rated Output(AC)	7V
K_N	Turns Ratio	-----
X	Accuracy(Ta=+25℃)	5% of standard values
V_C	Power Voltage	±12VDC/±15VDC
V_I	Dielectric voltage	AC2.5KVA,50Hz,60S
V_{aff}	Offset voltage@25℃	When primary current is In=0, <±1mV
T_d	Temperature drift(-40℃-+85℃)	0.05%/℃ of V_M
L	Linearity	<0.02%
	di/dt	-----
F	Frequency range	50HZ(400HZ)
Ta	Operation temperature	-40℃-+85℃
Ts	Storage temperature	-40℃-+100℃
Ic	Power loss	10mA
Rs	Secondary resistance@25℃	------
R_N	Primary resistance@25℃	------
W	Weight	730g

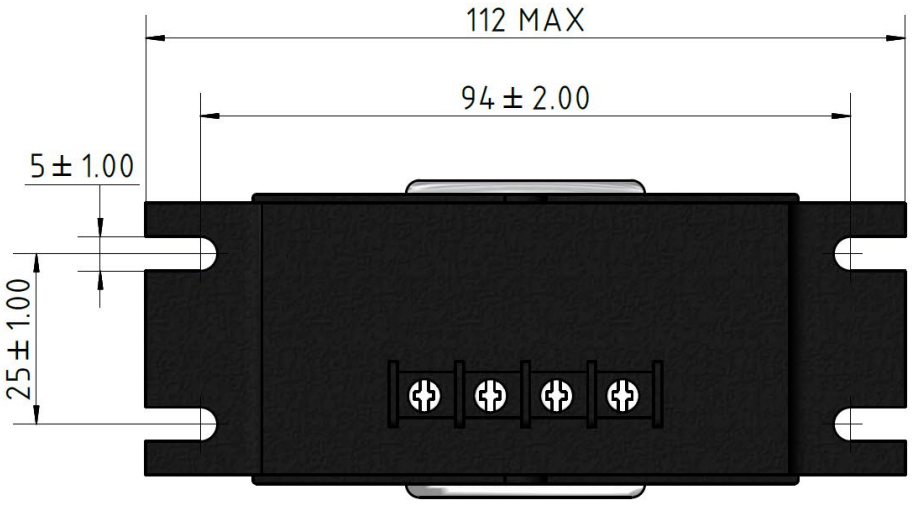
Schematic Diagram:



Mechanical Specifications







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