

Description

The Holjeron CAN Error Counter provides diagnostic information pertaining to the health of a CAN-based network. The CAN Error Counter detects whenever a CAN error is generated and increments a counter.

The user can also get information about the percentage of total bandwidth that is being used by CAN messages. When compared to the Error Percentage, the percent of CAN packets that are Error Frames can also be determined.

The CAN Error Counter gets its power from the CAN network. This eliminates the need for batteries or external power supplies.

Warranty/Remedy

Seller warrants its products to be free from defects in design, material and workmanship under normal use and service. Seller will repair or replace without charge any such products it finds to be so defective on its return to Seller within 18 months after date of shipment by Seller. **The foregoing is in lieu of all other expressed or implied warranties (except title), including those of merchantability and fitness for a particular purpose.** The foregoing is also purchaser's sole remedy and is in lieu of all other guarantees, obligations, or liabilities or any consequences incidental, or punitive damages attributable to negligence or strict liability, all by way of example.

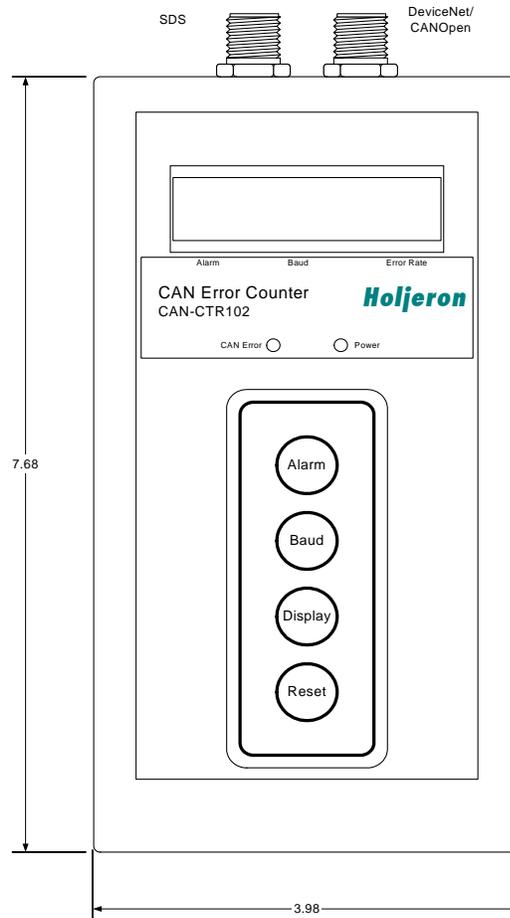
While Holjeron provides application assistance, personally and through our literature, it is up to the customer to determine the suitability of the product in the application.

All information contained herein, including illustrations, specifications and dimensions, is believed to be reliable as of the date of publication, but is subject to change without notice.

Specifications

Part Numbers	CAN Error Counter		CAN-CTR102
CAN Connection	Voltage Range		11-25 VDC
	Current Consumption		80 mA
	Data Rates		125, 250, 500 and 1000 kbps
Environmental	Temperature	Storage	-30° to 70° C (-22° to 158° F)
		Operating	0° to 60° C (32° to 140° F)
	Humidity	5-95% RH, non-condensing	
	Vibration	2G at 10 to 500 Hz	
Physical	Shock		10G
	Dimensions		7.68" H x 3.98" W x 1.32" D
	Weight		12 oz
	Color		Bone Gray
	Case Material		Polycarbonate
	Indication	Power	Green
Error		Red	

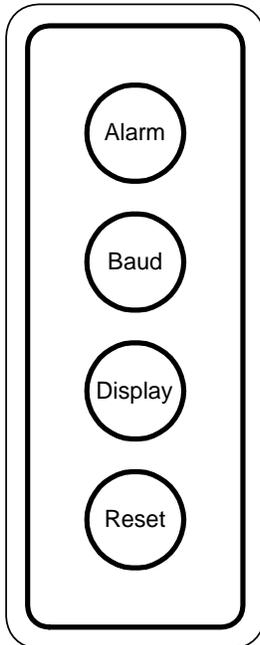
Dimensions



Operation

The CAN Error Counter is configured through a keypad on the face of the product.

CAN Error Counter Keypad



Alarm

Pressing the Alarm key toggles the audible alarm. When ON, an alarm will beep to notify the user a CAN error was detected. The Alarm setting is displayed in the lower left segment of the display.

ERRORS:	0	
ON	125K	0.0%
Alarm	Baud	Error Rate

Baud

The user must match the baud rate setting to that of the CAN network. Pressing the Baud key will toggle through the available baud rates. The present setting for the baud rate is displayed in the lower middle segment of the display.

ERRORS:	0	
ON	125K	0.0%
Alarm	Baud	Error Rate

Display

Pressing the Display key toggles the functionality of the upper line of the display. There are three display options: Error Count, Bandwidth, and Error Graph. Each of the display options is shown with a brief explanation of the function. In all options, the Error Rate as a percent of the total available bandwidth is displayed in the lower right corner of the display.

CAUTION

Any Error Rate in excess of 5% should be considered serious, and is probably a result of a significant electrical problem.

Display Option 1 – Error Count

ERRORS:	0	
ON	125K	0.0%
Alarm	Baud	Error Rate

The Error Count is the actual number of CAN errors detected since the counter was last reset.

Display Option 2 – Bandwidth

BANDWIDTH:	0.0%	
ON	125K	0.0%
Alarm	Baud	Error Rate

The Bandwidth is the displayed as the percentage of the total available bus that is being used by both good messages and errors. The ratio of Error Rate-to-Bandwidth defines what percentage of the actual messages being transmitted are errors.

Display Option 3 – Error Graph

	0.0%	
ON	125K	0.0%
Alarm	Baud	Error Rate

The Error Graph is a visual representation of the Error Rate from a range of 0 to 10%.

Reset

Pressing the Reset key clears the error count and resets it to 0.