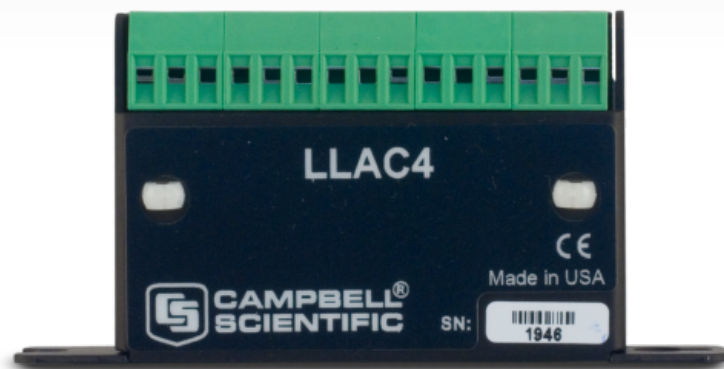# CAMPBELL® SCIENTIFIC
WHEN MEASUREMENTS MATTER

LLAC4
4-Channel Low-Level AC-Conversion Module

Expands Capacity

Increases number of signals data logger can monitor

Overview

The LLAC4 is a small peripheral that you can use to increase the number of low-level ac signals that your data logger can monitor. The LLAC4 is often used to measure up to four anemometers, and it is especially useful for wind profiling applications.

Benefits and Features

❯ Ideal for applications that require high numbers of pulse channels, but fewer control ports, such as in wind prospecting

Detailed Description

The LLAC4 enables four data logger control ports to emulate pulse-counting channels by converting the low-level ac signals to logic levels read by the control ports. To use the LLAC4, the data logger control ports must accept high frequency pulses. The LLAC4 typically measures anemometers but can measure other sensors that output pulse counting signals.

Minimum AC Input Voltage versus Output Square Wave Frequency

Input Sine Wave (mV RMS)	Output Range (Hz)
20	1.0 to 20
200	0.5 to 200
2000	0.3 to 10,000
5000	0.3 to 20,000

Specifications

Function	Increases the number of low-level ac signals that a data logger can monitor.

For comprehensive details, visit: www.campbellsci.com/llac4

Number of Channels	4	Cable Length	0.6 m (2 ft)
Power	0.1 mA (@ 12 Vdc)	Dimensions	》5.4 x 11.2 x 2.5 cm (2.1 x 4.5 x 1.0 in.) with base mounting flanges 》5.4 x 8.0 x 2.5 cm (2.1 x 3.1 x 1.0 in.) without base mounting flanges
Input Hysteresis	16 mV (@ 1 Hz)		
AC Coupling Removal of DC Offset	≤ ±0.5 V		
Maximum AC Input Voltage	±20 V	Weight	92 g (3.2 oz)

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