



AC/DC Input Module

401016



Product Overview

The AC/DC input module provides DC-coupled isolation and scaling for four independent DC or AC voltage or current channels for the TESLA Power System Recorder. These channels have a bandwidth from DC to 2 kHz but are limited to 1.5 kHz by anti-aliasing inside the recorder. Externally mounted resistors set the input type and full scale range of the module. The output signals from the module provide isolation and conditioning for the TESLA Power System Recorder's analog input channels.

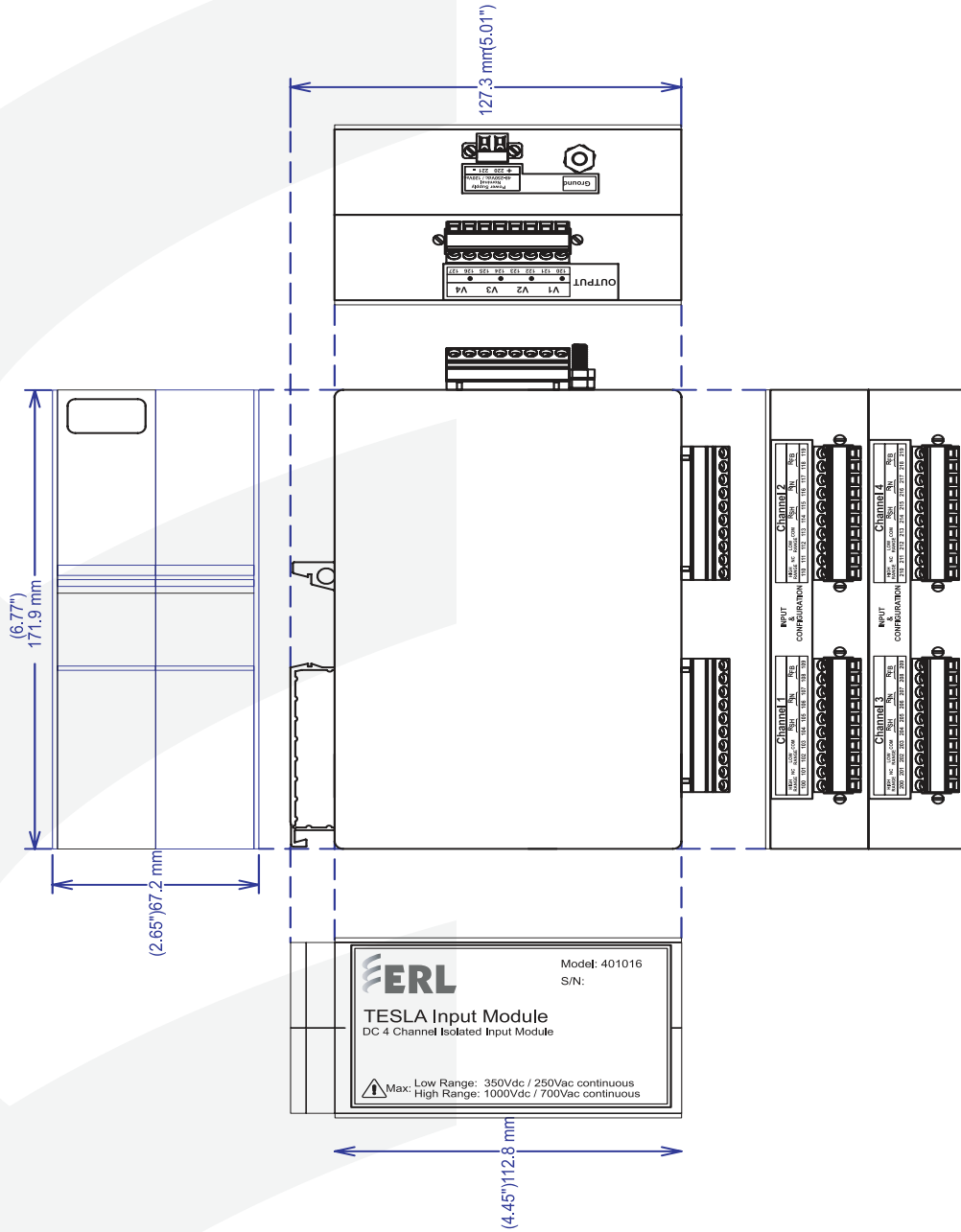
Note:

Locate modules up to 1200 meters (4000 ft) from the recorder.

Specs	
Input Voltage	
Low Range	0.1 to 200 Vdc full scale 0.1 to 150 Vrms full scale
High Range	350 V to 1000 Vdc full scale 200 V to 600 Vrms full scale
Current (AC or DC shunt outputs)	
Direct input from transducers	1 to 500 mA DC full scale
AC or DC from high current shunts (mV)	0.1 to 1000 mV (AC or DC) across the shunt
Ratio (1 kΩ load)	Dependent on configuration
Input Impedance	Dependent on configuration
Power Supply	40 V to 300 Vdc or 120 Vac, Burden 2.8 W
Isolation	
Channel to Ground	1500 V
Channel to Channel	1500 V
Dimensions: L x W x H	172mm x 113 mm x 67.2mm



10 Year
WARRANTY



AC/DC Input Module

ERLPhase Power Technologies

Tel: 204-477-0591

Email: info@erlphase.com

The specifications and product information contained in this document are subject to change without notice. In case of inconsistencies between documents, the version at www.erlphase.com will be considered correct. (D02366R14)

