



# AC Voltage Sensor

## User Manual

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For additional copies of this publication contact:

TASC Systems Inc.	Tel 604 455-2000
9415 – 202 Street	Fax 604 888-2712
Langley, BC V1M 4B5	sales@tascsystems.com
Canada	www.tascsystems.com

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## PREFACE

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This document describes the installation, configuration and operation of TASC AC Voltage Sensor.

Hardware described in this document is subject to ongoing development and improvement. Consequently, there may be minor discrepancies between the information in this document and the performance and design of the hardware and software.

The user should ascertain that this product is suitable for the intended application. TASC Systems Inc. accepts no responsibility, liability for misuses or damage resulting from the inappropriate use of the product described herein.



Before connecting any equipment to the AC Voltage Sensor, the user is advised to read this document in its entirety. Application of voltages in excess of the built-in protection could seriously damage the sensor and/or equipment it is connected to.

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## RELATED DOCUMENTS

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siteVIEW APEX User Manual (050-015-0110)

siteCOMMANDER User Manual (015-050-0002)

SCCU siteCOMMANDER/RSM Configuration Utility User Manual (050-015-0055)

Summit User Manual (050-015-0112)

## REVISION HISTORY

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Revision	Date	Changes
R00	December 2009	Original document
R01	August 2010	Added 0 – 240 VAC sensor
R02	May 2017	Added information for Summit
R03	May 2017	Adjust chassis ground gauge

## 1.0 PRODUCT OVERVIEW

The AC Voltage Sensor is used to convert a single phase 0-150VAC or 0-240VAC into a 0-5VDC output for use with the TASC site monitoring products such as the Summit or siteCOMMANDER. The TASC monitoring device would backhaul the information to the TASC Apex or Crest Software for viewing.

The AC Voltage Sensor consists of two inputs for AC: Line and Neutral, and two outputs for DC: VDC(+) and VDC(-).

AC Voltage Sensor Connections	
Legend	Function
2	AC Line Input
5	AC Neutral Input
15	DC Positive (+) Output
16	DC Negative (-) Output



Figure 1 - AC Voltage Sensor

## 2.0 INSTALLATION AND SETUP

The AC Voltage Sensor is equipped to interface to a snap on DIN rail 35 x 7.5 mm. Terminate appropriately using a Phillips screw driver.

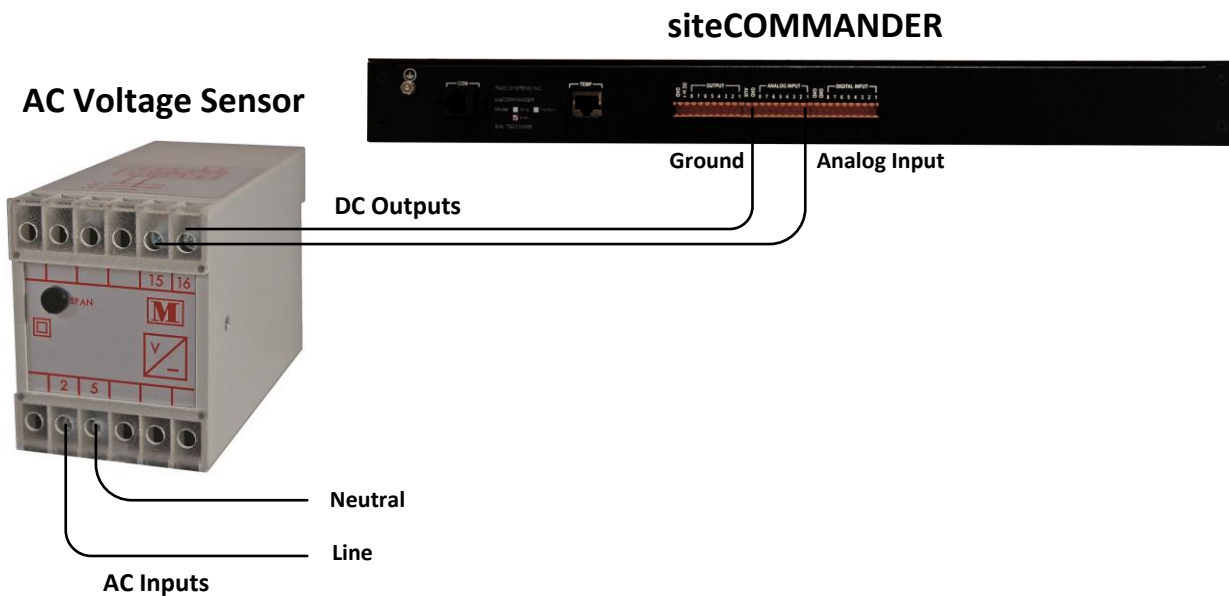


Figure 2 - Interface to a TASC siteCOMMANDER

Refer to the siteCOMMANDER User Manual for information regarding physical configuration of the analog input jumpers to work with the AC Voltage Sensor (0 – 5 V).

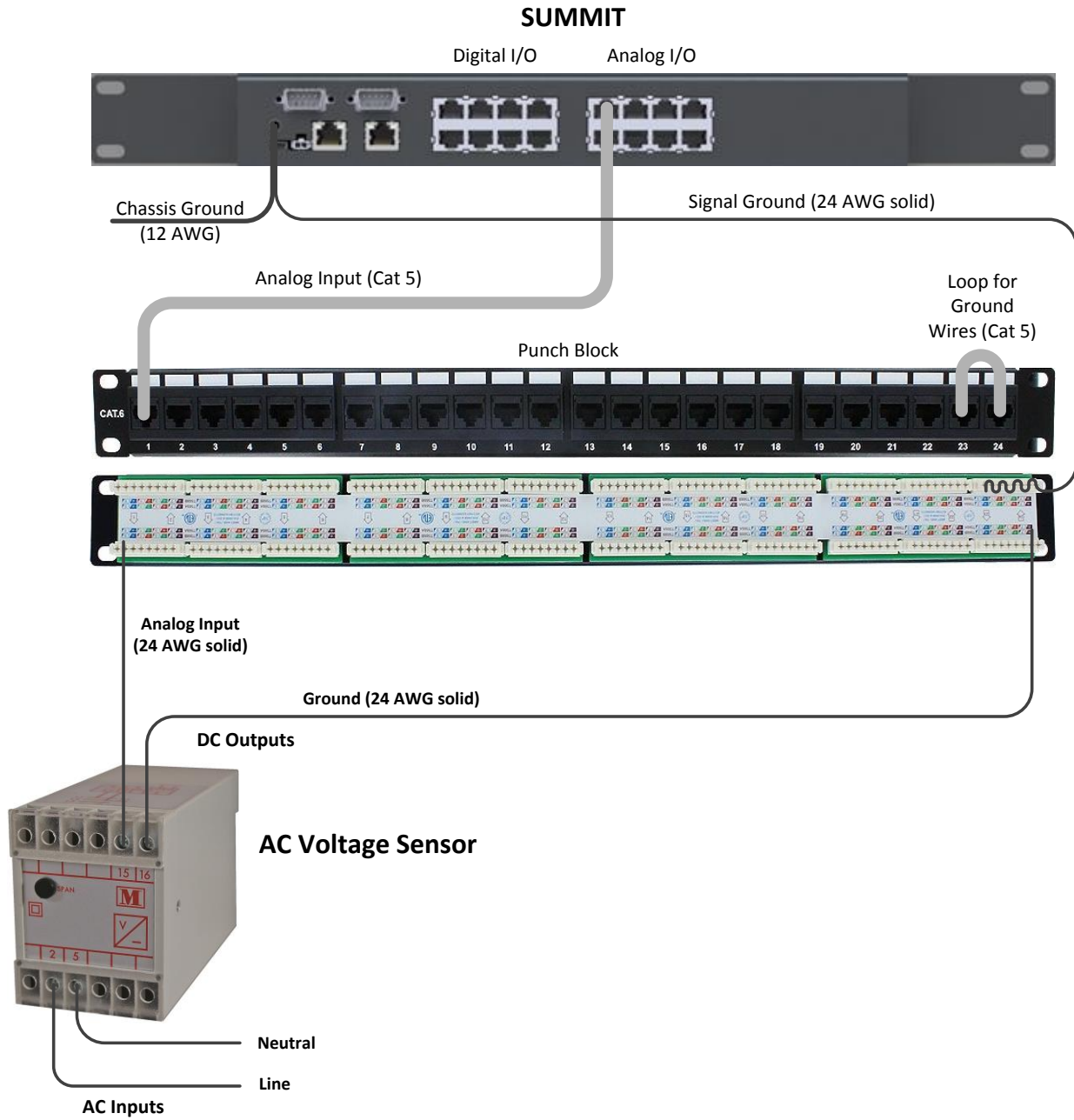


Figure 3 - Interface to a TASC Summit



### 3.0 SOFTWARE SETTINGS

For siteCOMMANDER, refer to the SCCU or siteVIEW APEX Software Manuals for information regarding software configuration of the analog inputs.

For Summit, refer to the Summit User Manual for information about configuring the analog inputs using the Crest interface.

Platform	AC Sensor Type	Software	Configuration/formula
siteCOMMANDER	0 – 120 VAC	siteVIEW APEX	Range: 0 – 5V, Sensor: AC Voltage Sensor
siteCOMMANDER	0 – 240 VAC	siteVIEW APEX	Range: 0 – 5V, Formula: X*50
Summit	0 – 120 VAC	Crest	x*30
Summit	0 – 240 VAC	Crest	x*50