

 Engine Governing Systems	Document: Technical Description Version: 1 Status: actual Author: bs Date: 01-12-17 Approved: ro Date: 01-12-17 File: PC	EAM121 WOODWARD to GAC Interface Module GAC PIB4076 (March 2001)	 HUEGLI TECH LTD SWITZERLAND Tel.: + 41-62-916 50 30 Fax. + 41-62-916 50 35 www.huegli-tech.com
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EAM121

WOODWARD to GAC Interface Module

Introduction

The EAM121 is an interface module which accepts a nominal 0V DC input signal with a range of +/- 3V DC and outputs a nominal 5V DC across a galvanic isolated barrier. Typical usage is for signal conversion of the DC output signal from a Woodward load sharing or synchronizing system across an isolated barrier to operate a GAC governor system. The power to operate this interface comes from the output side (GAC) and is nominally 24V DC.

Wiring

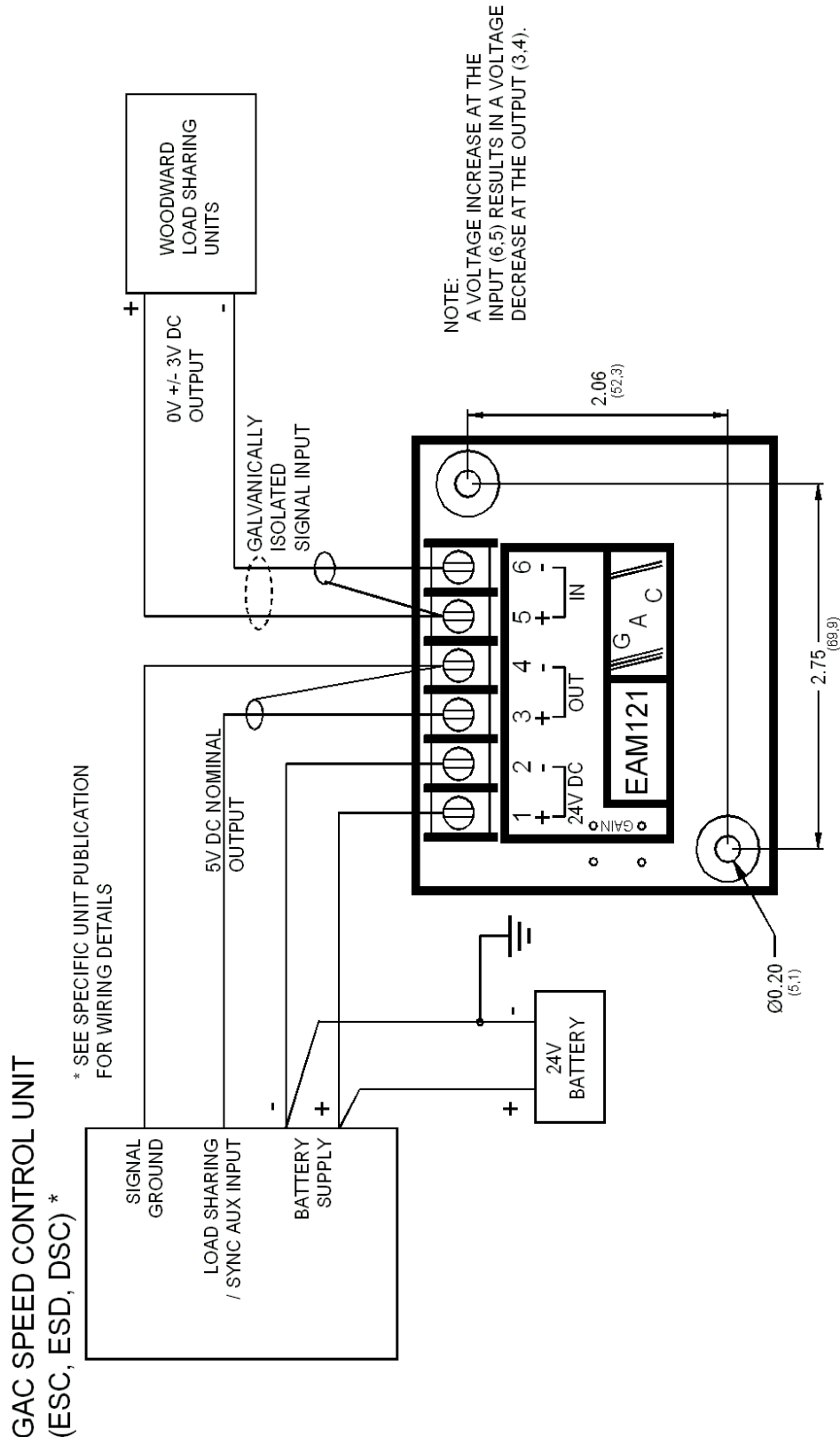
See Wiring Diagram.

Specifications

Input impedance (Terminals 5 & 6)	47K ohms
Input DC voltage (nominal) (Terminals 5 & 6)	0V DC
Output impedance (Terminals 3 & 4)	10K ohms
Nominal output voltage (Terminals 3 & 4)	5.0V DC
Output voltage range (Terminals 3 & 4)	0 – 10V DC
Transfer function	1.4 volts/ volt
DC supply Voltage range (Terminals 1 & 2)	15 – 32V DC
Supply Current (Terminals 1 & 2)	75 mA
Temp Range	-40° to +85°C
Isolation barrier rating	1000V DC

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Wiring Diagram WD182A



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Professional manufacturer of Stamford AVR, Leroy Somer AVR R250, Marthon AVR, Siemens AVR, Deep Sea Starting System, Cummins speed control, Load Sharing module, Cummins Actuators, GAC Actuators, Caterpillar AVR VVR6, Mecc Alte AVR SR7, rectifier SSAYEC432, Diode Bridge 330-25777, Blaser AVR AVC63-7, Kutai AVR EA05A, SS053, MARELLI AVR M16FA655A, DSE5120, DSE5220, DSE5110, DSE501K, DSE704..etc.