
 <p>Engine Governing Systems</p>	<p><b>Document:</b> Technical Description  <b>Version:</b> 1  <b>Status:</b> actual  <b>Author:</b> bs     <b>Date:</b> 01-12-17  <b>Approved:</b> ro     <b>Date:</b> 01-12-17  <b>File:</b> PC</p>	<p style="text-align: center;"><b>EAM120</b>  <b>GAC to WOODWARD 2301A</b>  <b>Interface Module</b></p> <p style="text-align: center;">GAC PIB4075 (March 2001)</p>	 <p>HUEGLI TECH LTD  SWITZERLAND  Tel.: +41-62-916 50 30  Fax: +41-62-916 50 35  www.huegli-tech.com</p>
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## EAM120

# GAC to WOODWARD 2301A INTERFACE MODULE

### Introduction

The EAM120 is an interface module which accepts a nominal 5V DC input control signal and provides a nominal 0V DC output with a range of +/- 5V DC across a galvanic isolation barrier. Typical usage is for the interface of a GAC auto-synchronizer and load sharing system to a Woodward 2301A control system that has internally isolated DC circuits. Other applications are also possible. The power to operate the module comes from the input side (GAC) and is nominally 24V DC.

### Wiring

See Wiring Diagram.

Note: The common battery minus connection between the Woodward 2301A control, EAM120, and the GAC auto-sync and load sharing system should be as direct as possible electrically (minimum voltage difference).

### Specifications

Input impedance (Terminals 6 & 5)	200K ohms.
Input DC voltage (nominal) (Terminals 6 & 5)	5.0V DC
Output impedance (Terminals 3 & 4)	10K ohms
Output voltage range (Terminals 3 & 4)	-5 to + 5V DC
Nominal output voltage (Terminals 3 & 4)	0V DC +/-0.15V DC
Transfer function	-1 volts / volt
Supply voltage range (Terminals 1 & 2)	15 – 32V DC
Supply current (Terminals 1 & 2)	75 mA
Temperature range	-40° to +85°C
Isolation barrier rating (Terminals 4 & 5)	1000V DC



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**EAM120  
GAC to WOODWARD 2301A  
Interface Module**

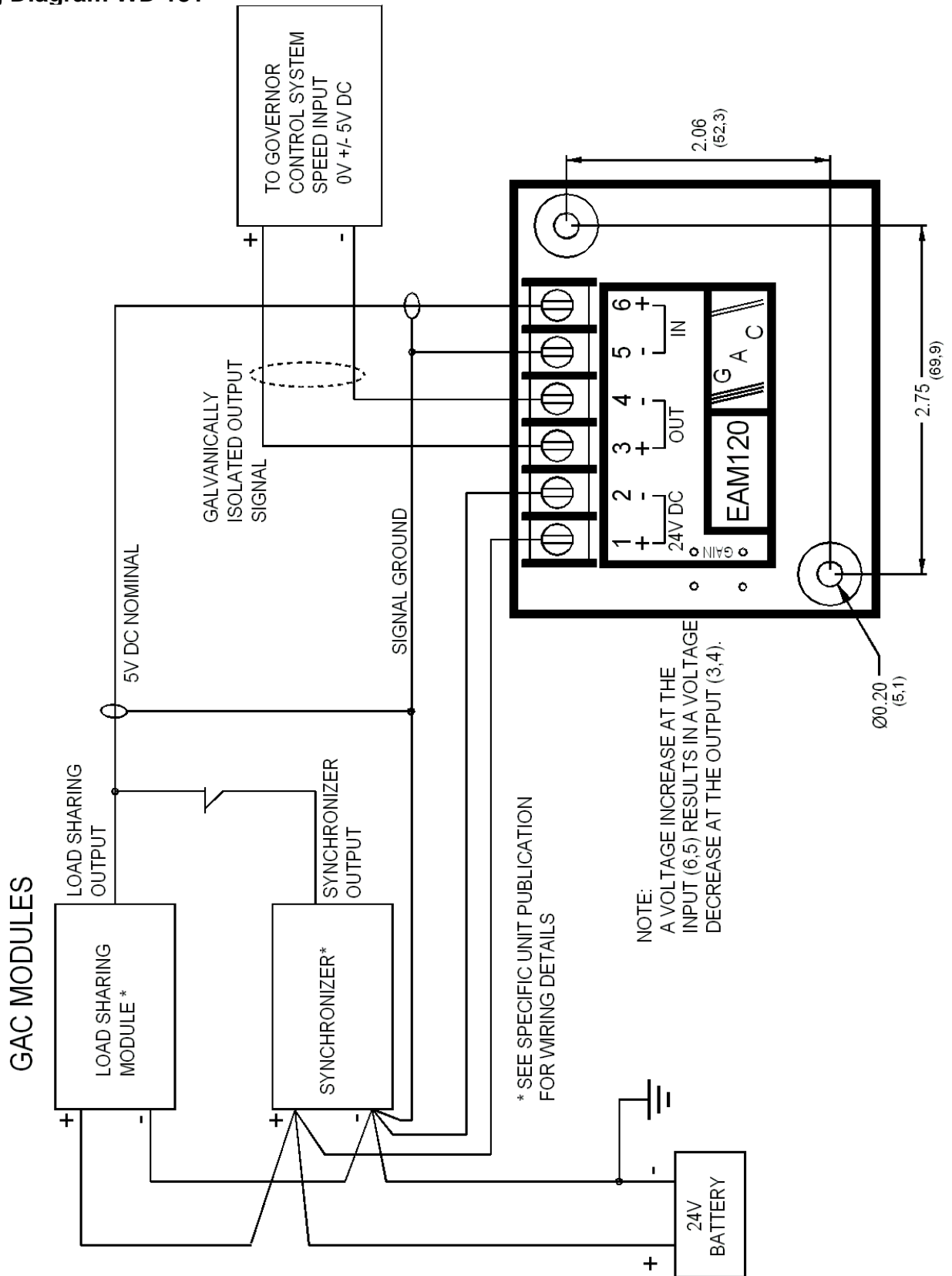
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HUEGLI TECH LTD  
SWITZERLAND

Tel.: +41-62-916 50 30  
Fax: +41-62-916 50 35  
www.huegli-tech.com

**Wiring Diagram WD 181**



**Jeenda Machinery Co., Ltd.**

TEL: +86 577 88955573 FAX: +86 577 56667563

EMAIL: [parts@powergensetparts.com](mailto:parts@powergensetparts.com) WEB: <http://www.powergensetparts.com>

ADD: No.1402 Unit 15 Group 2 Xintianyuan, Xincheng Wenzhou 325000, Zhejiang China

Professional manufacturer of Stamford AVR, Leroysoner AVR R250, Marthon AVR, Siemens AVR, Deep Sea Starting System, Cumminsspeed control, Load Sharing module, Cummins Actuators, GAC Actuators, Caterpillar AVR VR6, 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.