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**ENGINE  
GOVERNING  
SYSTEMS**

**EAM121**  
**WOODWARD**  
to  
**GAC INTERFACE MODULE**



**INTRODUCTION**

**WIRING**

The EAM121 is an interface module which accepts a nominal 0Vdc input signal with a range of +/- 3Vdc and outputs a nominal 5Vdc 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 24Vdc.

See Wiring Diagram.

**SPECIFICATIONS**

Input Impedance (Terminals 5 & 6).....	47kO
Input DC Voltage (Nominal) (Terminals 5 & 6).....	0Vdc
Output Impedance (Terminals 3 & 4).....	10kO
Nominal Output Voltage (Terminals 3 & 4).....	5.0Vdc
Output Voltage Range (Terminals 3 & 4).....	0 – 10Vdc
Transfer Function.....	1.4 volts/ volt
DC Supply Voltage Range (Terminals 1 & 2).....	15 – 32Vdc
Supply Current (Terminals 1 & 2).....	75mA
Temp Range.....	-40° to +85°C
Isolation Barrier Rating.....	1000Vdc

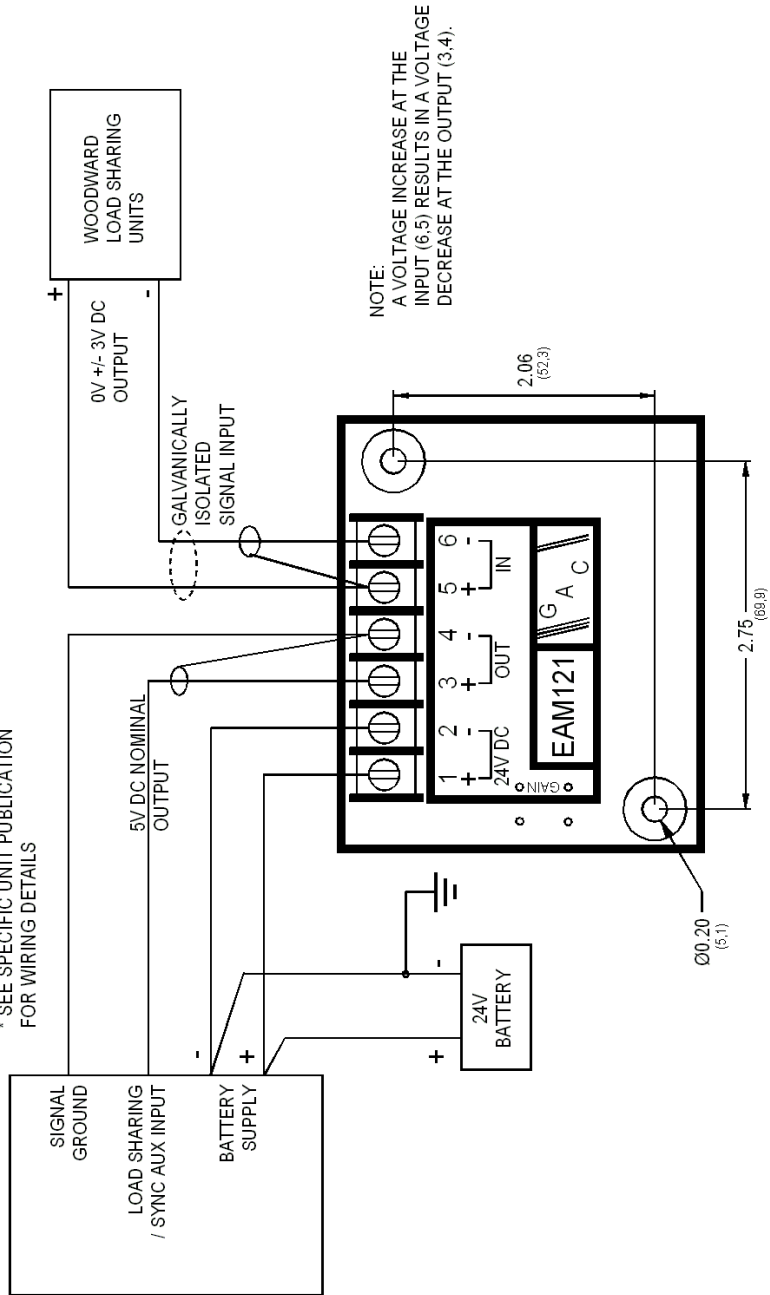


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**GAC SPEED CONTROL UNIT  
(ESC, ESD, DSC) \***

\* SEE SPECIFIC UNIT PUBLICATION  
FOR WIRING DETAILS



Wiring Diagram



<p>PIB4076 REV A</p>
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