
 <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><b>EAM121</b>  <b>WOODWARD to GAC</b>  <b>Interface Module</b></p> <p>GAC PIB4076 (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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## 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

