
 <p>Engine Governing Systems</p>	<p>Document: Technical Description Version: 1 Status: actual Author: bs Date: 01-12-17 Approved: ro Date: 01-12-17 File: PC</p>	<p style="text-align: center;">EAM121 WOODWARD to GAC Interface Module</p> <p style="text-align: center;">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

