
	<b>Document:</b> Technical Description <b>Version:</b> 1 <b>Status:</b> actual <b>Author:</b> bs <b>Date:</b> 01-12-07 <b>Approved:</b> ro <b>Date:</b> 01-12-07 <b>File:</b> PC	<b>EAM108</b> <b>GAC to WOODWARD (8290)</b> <b>Interface Module</b>  GAC PIB4074 (March 2001)	 Tel.: +41-62-916 50 30 Fax: +41-62-916 50 35 www.huegli-tech.com
---	---	---	---

## EAM108

### GAC to WOODWARD (8290) INTERFACE MODULE

#### Introduction

The EAM 108 is an electronic interface module designed for use with the Woodward 8290 speed control. The typical application is where the GAC auto sync and load sharing system is to be used with the 8290 engine speed control. The module accepts a nominal 5.0V DC signal and provides a 1.5V DC signal output to the 8290 control. DC power for the module is supplied from the 24V DC battery that powers the 8290 control.

#### Wiring

See Wiring Diagram.

Note: The common battery minus connection between the 8290, EAM 108, and the GAC auto-sync and load sharing system should be as direct as possible electrically (minimum voltage difference).

#### Specifications

Input impedance (Terminals D & A)	60K ohms
Output impedance (Terminals 11 & 12)	5.8K Ohms
Nominal output voltage (Terminals 11 & 12)	1.50V DC
Output voltage range (Terminals 11 & 12)	0-2.6V DC
Nominal input voltage (Terminals D & A)	5.0V DC
Transfer function	-1.9 volts/ volt (without trim pot) -1.1 volts/ volt (with trim pot)
Temperature range	-40° to +85°C
DC supply range (Terminals 1 & 12)	15 to 32V DC
DC supply current (Terminals 1 & 12)	20 mA
Trim Pot (Terminals A, B, & C)	use 5K trim potentiometer



Engine  
Governing  
Systems

**Document:** Technical Description  
**Version:** 1  
**Status:** actual  
**Author:** bs **Date:** 01-12-07  
**Approved:** ro **Date:** 01-12-07  
**File:** PC

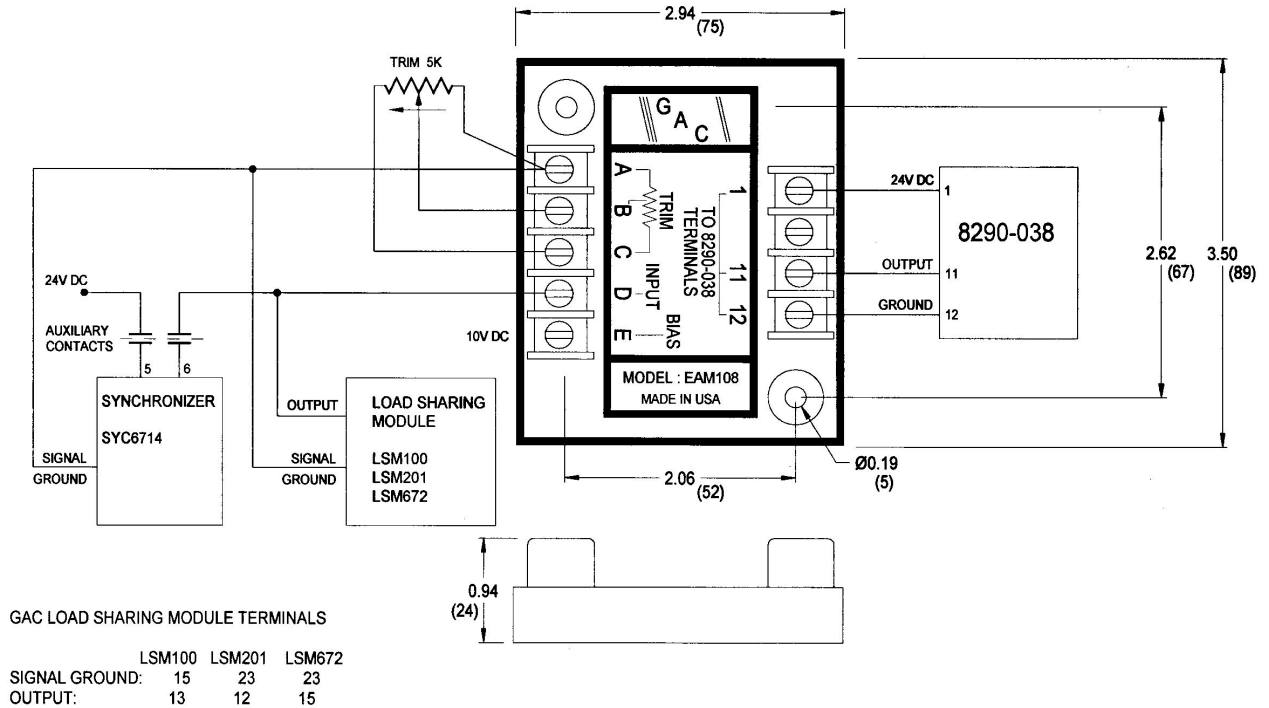
**EAM108  
 GAC to WOODWARD (8290)  
 Interface Module**

GAC PIB4074 (March 2001)



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

**Wiring Diagram WD164-1 (with WOODWARD 8290-038)**



**Wiring Diagram WD164-2 (with WOODWARD 8290-184)**

