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

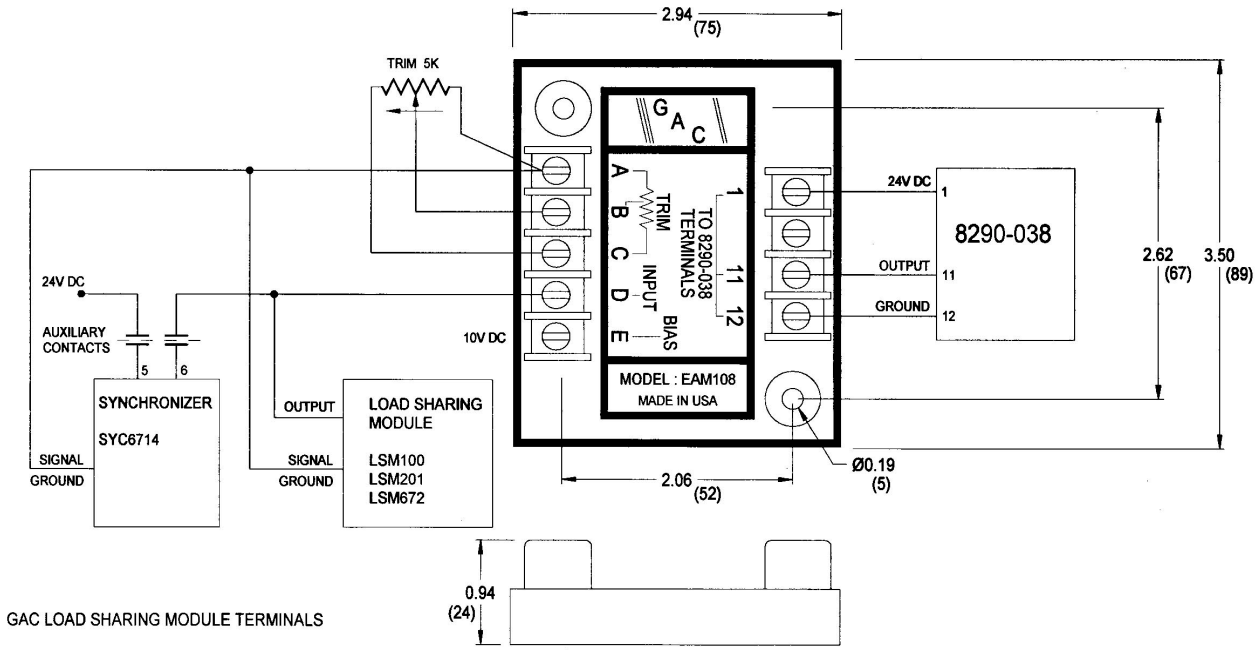
See Wiring Diagram.

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

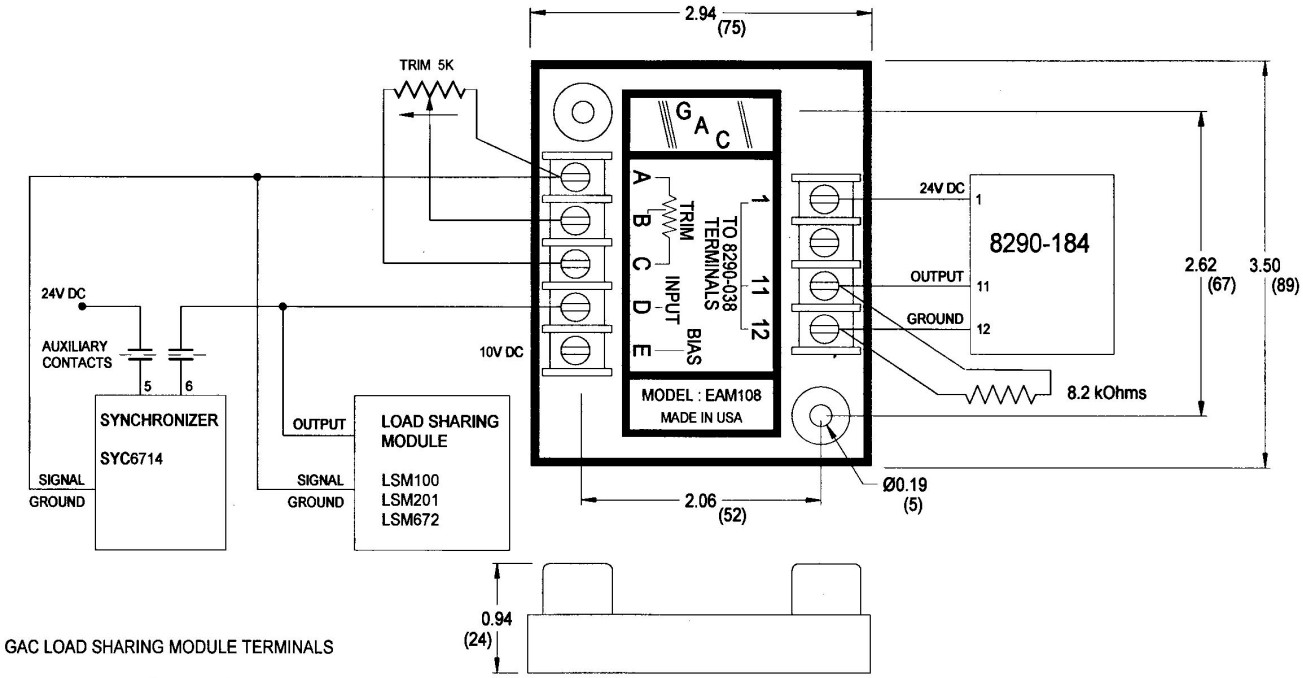
Wiring Diagram WD164-1 (with WOODWARD 8290-038)



GAC LOAD SHARING MODULE TERMINALS

	LSM100	LSM201	LSM672
SIGNAL GROUND:	15	23	23
OUTPUT:	13	12	15

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



GAC LOAD SHARING MODULE TERMINALS

	LSM100	LSM201	LSM672
SIGNAL GROUND:	15	23	23
OUTPUT:	13	12	15