EAM120 GAC to WOODWARD 2301A Interface Module



GAC PIB4075 (March 2001)

EAM120 GAC to WOODWARD 2301A INTERFACE MODULE

Introduction

The EAM120 is an interface module which accepts a nominal 5V DC input control signal and and provides a nominal 0V DC output with a range of +/- 5V DC across a galvanic isolation barrier. Typical usage is for the interface of a GAC auto-synchronizer and load sharing system to a Woodward 2301A control system that has internally isolated DC circuits. Other applications are also possible. The power to operate the module comes from the input side (GAC) and is nominally 24V DC.

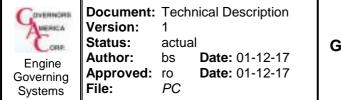
Wiring

See Wiring Diagram.

Note: The common battery minus connection between the Woodward 2301A control, EAM120, and the GAC auto-sync and load sharing system should be as direct as possible electrically (minimum voltage difference).

Specifications

Input impedance (Terminals 6 & 5) Input DC voltage (nominal) (Terminals 6 & 5) Output impedance (Terminals 3 & 4) Output voltage range (Terminals 3 & 4) Nominal output voltage (Terminals 3 & 4) Transfer function Supply voltage range (Terminals 1 & 2) Supply current (Terminals 1 & 2) Temperature range Isolation barrier rating (Terminals 4 & 5) 200K ohms. 5.0V DC 10K ohms -5 to + 5V DC 0V DC +/-0.15V DC -1 volts / volt 15 - 32V DC 75 mA -40° to +85°C 1000V DC



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Wiring Diagram WD 181

