

INTRODUCTION

The **EAM 127-24** is an electronic interface module designed for use with the Scania S6 engine control system. The module accepts a nominal 5VDC input signal and converts this signal to a 1.589 VDC analog signal for the S6 control across a galvanic isolated barrier. Typical usage is as a signal conditioner between a **GAC** auto-synchronizer and load sharing system and the S6 engine control. The power to the interface comes from the 24 VDC on the COO.

WIRING & MOUNTING

See **Wiring Diagram 1** for connections and mounting instructions.

NOTE
The common battery minus connection between the S6 system, EAM127-24, and the GAC auto-sync and load sharing system should be as direct as possible electrically (minimum voltage difference)

SPECIFICATIONS

Transfer Function -0.33 Volts Out / Volt In

(Terminals 5 & 6)

Input Impedance 200 K ohms
Input DC Voltage (Nominal) 5.0 VDC

(Terminals 3 & 4)

Output Impedance 100 K ohms
Output DC Voltage (Nominal) 1.589 VDC
Output Voltage Range 0.4 to 2.75 VDC

(Terminals 1 & 2)

DC Supply Voltage Range 15 - 32 VDC
Supply Current 75 mA

(Terminals 2 & 4)

Isolation Barrier Rating 1000 VDC

Environmental

Ambient Operating Temperature Range -40° to +85° C
Vibration 5G at 20-200 Hz.
Relative Humidity up to 100%
Testing 100% Functionally Tested

This document is subject to change without notice.
Caution: None of GAC products are flight certified controls including this item.

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WIRING

WIRING DIAGRAM 1.

