Models:
GENII AIM Analogue Input Module

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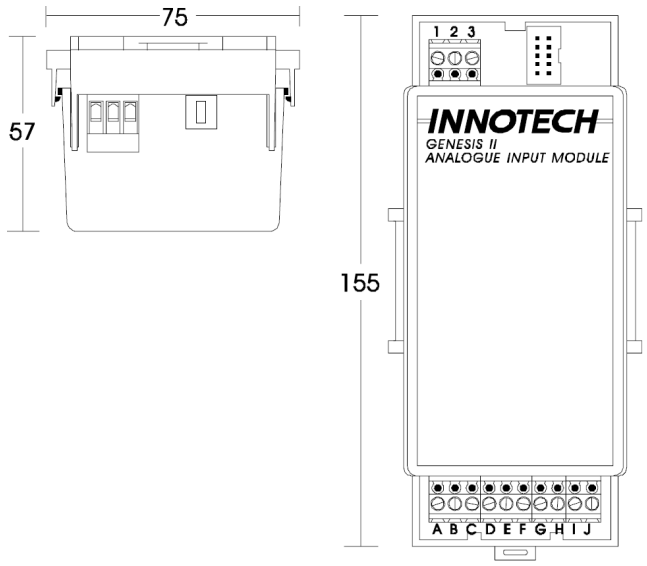
Analogue Input Module

Overview
The Innotech GENII AIM Analogue Input Module is an expansion device for the GENESIS II Digital Controller.

The GENII AIM is designed to be located adjacent to the GENESIS II Digital Controller and provides five additional analogue inputs.

One input on the GENESIS II Digital Controller is lost for each GENII AIM connected, so the actual gain is four points per module.



Features
- Ribbon connection for Comms between the GENESIS II Digital Controller and the GENII AIM
- Five selectable analogue inputs
- Analogue inputs can be used for a wide range of signal types
- Up to 8 expansion devices per GENESIS II Digital Controller
- Program resides on the GENESIS II Digital Controller
- GENESIS II Digital Controller annunciates loss of COMMS through its internal speaker
- Housed in a low profile din rail mounted enclosure
- JUMPER selectable Address Number

Application Notes
The GENESIS II Digital Controller can have up to 8 Local Expansion Modules (LEMs) connected to it.

The 8 LEMs can be made up of any mix of the 3 available types:
- GENII AIM - Analogue Input Module
- GENII DIM - Digital Input Module
- GENII DOM - Digital Output Module

Each expansion module provides 4 extra points providing a maximum of 32 extra points.

The GENII AIM requires an Analogue Input Signal Conditioner (AISC) to determine the signal type for each input. The AISC's must be ordered separately.

Applications
Expands GENESIS II Digital Controller analogue input capability.

Approvals
The GENII AIM conforms to the EMC requirements EN55011 (CISPR11) for RCM labelling.

Specifications

Power Supply
Powered from GENESIS II Digital Controller via GENII LEM Cable. (The LEM Cable is not supplied with the GENII AIM).

Inputs
5 analogue inputs.

Terminal Identification
1 No Connection.
2 To "-" connection of analogue input on GENESIS II Digital Controller.
3 To "+" connection of analogue input on GENESIS II Digital Controller.

The exact Analogue Input terminal on the Genesis II Controller will be indicated on the software generated wiring diagrams.

A + B Analogue Input 1.
C + D Analogue Input 2.
E + F Analogue Input 3.
G + H Analogue Input 4.
I + J Analogue Input 5.

COMMS Connection
10 pin keyed plug for GENII LEM Cable (Not included).

Temperature Ratings
Storage 0 to 50°C non-condensing.
Operating 0 to 40°C non-condensing.

Enclosure
The GENII Local Expansion Modules are housed in rectangular cases made from flame resistant Astrene M650 IR plastic in accordance with IEC695-2-1 (HD444- 2-1) as of EN6335-1, A2 and IEC707 (AS/NZS2420).
Colour: Grey
Mounting: DIN Rail

Installation
- The GENII AIM should be located as close as possible to its host GENESIS II Digital Controller.
- The GENII LEM Cable between the GENII AIM and the host GENESIS II Digital Controller should be run external of cable ducts.
- A maximum length of 300mm of GENII LEM cable is allowed between modules. The overall GENII LEM cable length must not exceed 1.5 metres.
- Mount the GENII AIM in a dry and clean location free of excess vibration.

Wiring
- DO NOT connect 240V AC or 24V AC to any terminals.
- Ensure that the GENII LEM Cable plug is inserted into the keyed socket in the correct orientation.
- If the input signals are from a DC source ensure correct polarity of connections (A,C,E,G & I Terminals are +ve).

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