

## Models:

GENII DIM Digital Input Module

## GENII DIM Digital Input Module

### Overview

The Innotech GENII DIM Digital Input Module is an expansion device for the GENESIS II Digital Controller. The GENII DIM is designed to be located adjacent to the GENESIS II Digital Controller and provides four additional digital inputs.

### Features

- Ribbon connection for Comms between the GENESIS II Digital Controller and the GENII DIM
- Four opto isolated 24V AC/DC inputs
- 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
- Inputs are software configurable for normally open or normally closed contact inputs

### Application Notes

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

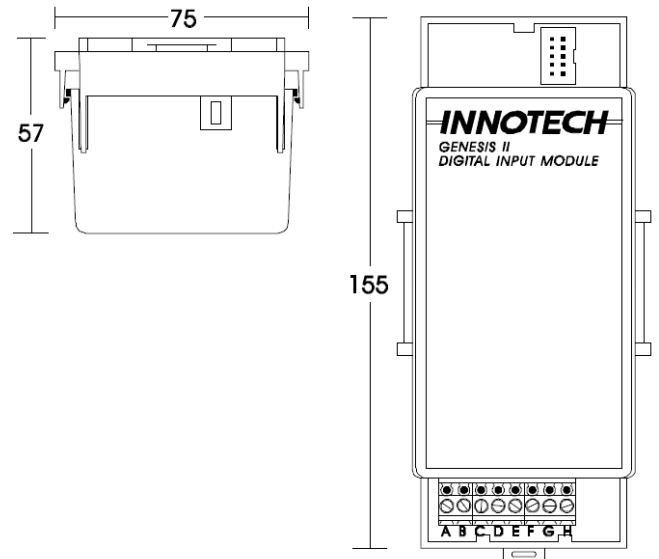
The 8 LEMs can be made up of any mix of the 3 available types:

- 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 inputs on the GENII DIM require 24V AC/DC to trigger.



### Applications

Expands GENESIS II Digital Controller digital input capability.

### Approvals

The GENII DIM conforms to 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 DIM).

### Inputs

4 opto isolated 24V AC/DC inputs.

### Terminal Identification

A + B	Digital Input 1, 24V AC/DC $\pm 25\%$ .
C + D	Digital Input 2, 24V AC/DC $\pm 25\%$ .
E + F	Digital Input 3, 24V AC/DC $\pm 25\%$ .
G + H	Digital Input 4, 24V AC/DC $\pm 25\%$ .

### 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 DIM should be located as close as possible to its host GENESIS II Digital Controller.
- The GENII LEM Cable between the GENII DIM 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 DIM in a dry and clean location free of excess vibration.

## Wiring

- DO NOT connect 240VAC 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 Terminals are +ve).

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