MODELS:
IDS5001: Single Point Display
IDS5012: Multipoint Display

IDS50xx
Switchboard Digital Displays

Specifications

Power Supply
- Voltage: 24VAC ±10% @ 50/60Hz or 24VDC ±10%
- Power Consumption: 2VA max

The transformers used must be safety transformers in compliance with EN 60742 and be designed for 100% duty. The operating voltage must meet the requirements of safety extra low voltage (SELV) to EN 60730. The transformer must be sized and fused in compliance with local safety regulations.

Inputs
- -2.5V to +11VDC max

Number of Inputs
- IDS5001: 1 input
- IDS5012: 1 to 12 inputs selected by rotary switch

Display Resolution
- Range: -25.0 to 110.0
- Resolution: 0.1
- Scaling: Volts x 10

Display Type
- Green 4 digit, 7 segment LED

Terminal Identification
8	-2.5V to +11VDC Input for IDS5001 only
9	Input Common and 0VAC supply
10	24VAC supply
A to L	-2.5V to +11VDC inputs for IDS5012 only

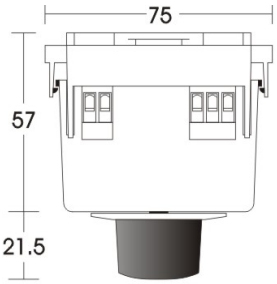
Temperature Ratings
- Storage: 0 to 50°C non condensing
- Operating: 0 to 40°C non condensing

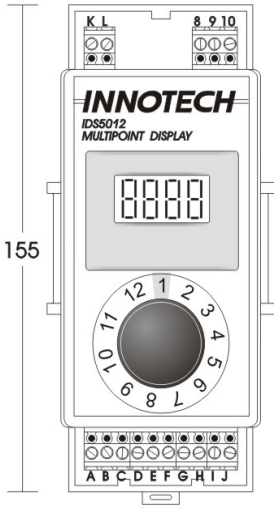
Enclosure/Mounting
The IDS5001 and IDS5012 are housed in a rectangular case suitable for DIN Rail mounting. The housing is moulded from flame retardant plastics recognised by UL as UL 94-V0.

Colour: Grey.
Dimensions (max): 75 mm(w) x 155 mm(h) x 78.5 mm(d).

Installation
1. Mount display in a dry and reasonably clean location free of vibration.
2. Fit to DIN rail.
3. Wire in accordance with Innotech connection diagrams and local bylaws or refer to your local distributor.

Wiring
1. Earth one side of the 24VAC at the transformer.
2. Connect the EARTHED side of 24VAC to terminal 9.
3. DO NOT connect 24VAC to terminal 8 or to terminals A through L.
4. Shielded twisted pair cable should be used to minimise EMI (electro-magnetic interference). The shield must be continuous to the display and earthed only to terminal 9 of the display that it is connected to.





Applications
The Innotech range of IDS digital displays are designed to be switchboard mounted and accept a -2.5V to +11VDC input signal.

Features
- Economic multipoint display
- Easily read 10mm high digits
- High input impedance minimises source loading
- Resolution of 0.1
- Can be connected to any -2.5V to +11VDC signal source
- The Innotech enclosure saves space and reduces installation time

Approvals
The IDS5001 and IDS5012 conform to:
- Requirements according to standards EN55011 (CISPR11) for RCM labelling

Calibration

The digital display in the IDS can be calibrated via a small screwdriver adjustment in the rear of the display.

Use extreme care when making adjustment as the display components are miniature and therefore fragile.

Calibration for IDS5001

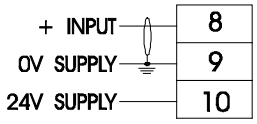
1. Remove any wires from terminal 8.
2. Short terminals 8 & 9 together.
3. Adjust 'Zero' Pot with screwdriver until the meter reads 0.00.
4. Apply a DC voltage to the input terminal 8.
5. Measure the voltage with a multimeter and adjust the 'span' pot with a screwdriver until the reading on the display agrees with the multimeter.

Calibration for IDS5012

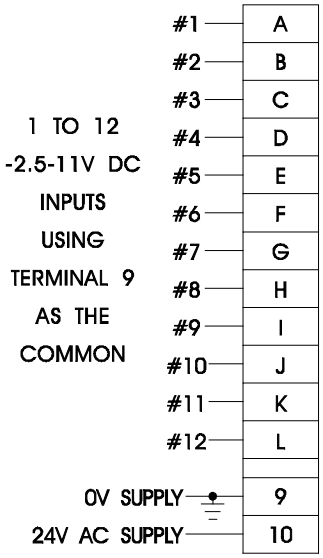
1. Remove any wires from terminal A.
2. Move the selector switch to position 1.
3. Short terminals A & 9 together.
4. Adjust 'Zero' Pot with screwdriver until the meter reads 0.00.
5. Apply a DC voltage to the input terminal A.
6. Measure the voltage with a multimeter and adjust the 'span' pot with a screwdriver until the reading on the display agrees with the multimeter.

Standard Connection

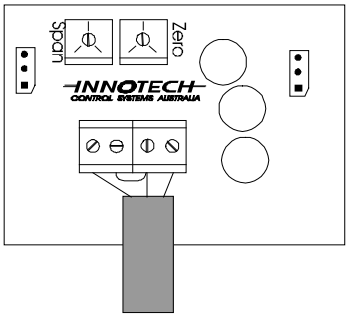
IDS5001



IDS5012



Rear of Display: IDS5001 and IDS5012



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