

MODELS:

IDS5212: Multipoint Temperature Display

IDS5212

Multipoint Temperature Display

Specification

Power Supply

- Voltage: 24VAC $\pm 10\%$ @ 50/60Hz or 24VDC $\pm 10\%$
- 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

- Innotech Current loop temperature detectors
- 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	20VDC supply to all detectors
9	Common and 0VAC supply
10	24VAC supply
A to L	Inputs 1 to 12 for IDS5212 only

Temperature Ratings

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

Enclosure

Manufactured from an ignition resistant grade of ABS which meets the requirements of AS2420.

Colour: Grey.

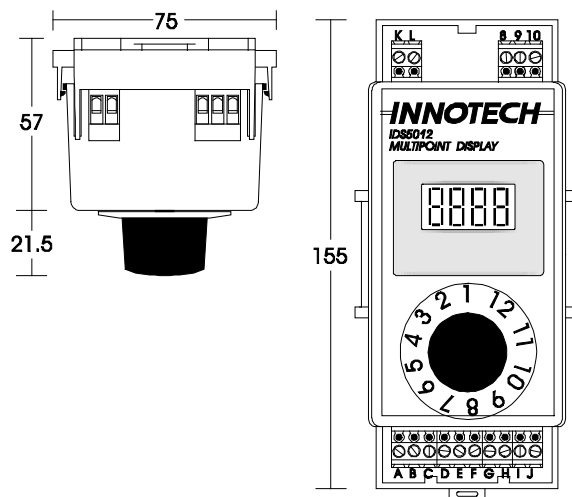
Mounting: DIN rail mounted.

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 IDS5212 multipoint digital display is designed to select one of twelve current loop detectors and display the detector temperature. The Innotech ITD, ITI and ITW series are two wire current loop temperature detectors and are designed to operate with the IDS5212 multipoint digital display.

Features

- Economic multipoint temperature measurement
- Easily read 10mm high digits
- Resolution of 0.1
- The Innotech enclosure saves space and reduces installation time

Approvals

The IDS5212 conforms to the requirements according to standards EN55011 (CISPR11) Class B for RCM labelling.

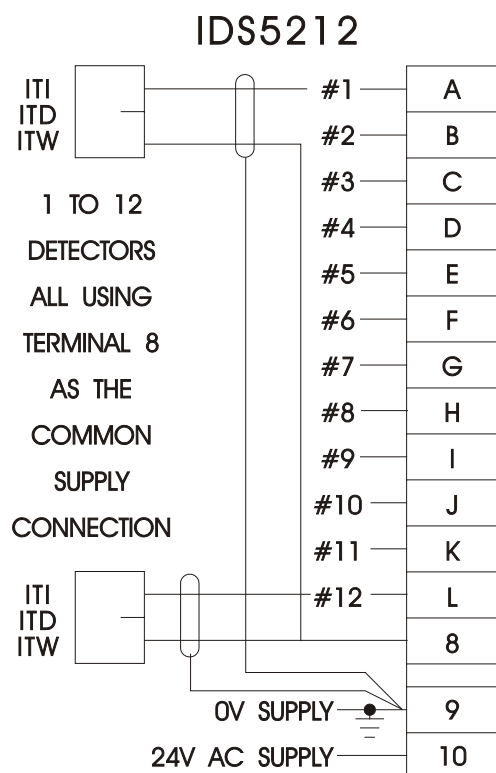
Calibration

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

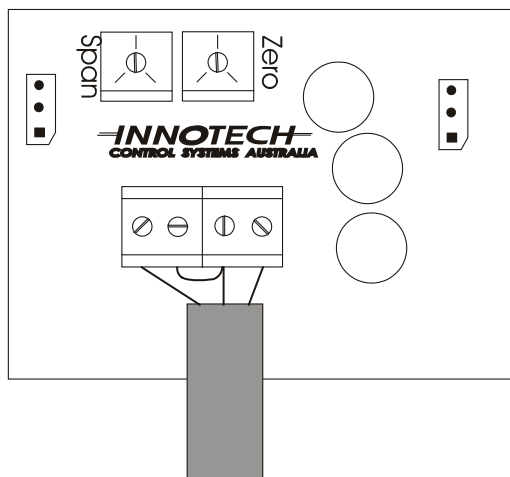
⚠ Use extreme care when making this adjustment as the display components are miniature and therefore fragile.

1. Remove any wires from terminal 7
2. Short terminals 7 & 8 together.
3. Adjust 'Zero' Pot with screwdriver until the meter reads 0.00.
4. Apply a DC voltage to the input terminal 7.
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.

STANDARD CONNECTION



REAR OF DISPLAY



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YOUR DISTRIBUTOR