

**MODELS:**

IDW5001: Temperature Display (single input).  
 IDW5002: Temperature Display (dual input).

**IDW500x**
**Temperature Display**
**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 EN60742 and be designed for 100% duty. The operating voltage must meet the requirements of safety extra low voltage (SELV) to EN60730. The transformer must be sized and fused in compliance with local safety regulations.

**Inputs**

- -2.5V to +11VDC max

**Display Resolution**

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

**Display Type**

- Green 4 Digit, 7 segment LCD

**Terminal Identification**
**IDW5001**

7	+ Input
8	- Input
9	0VAC supply
10	24VAC supply

**IDW5002**

3	+ Input 1 - switch not pressed
6	+ Input 2 - switch pressed
9	0VAC supply and - Input
10	24VAC supply

**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: Off white

**Installation**

1. Mount display in a dry and reasonably clean location free of vibration by fixing the base to the wall with four screws through the holes provided in the base of the case.

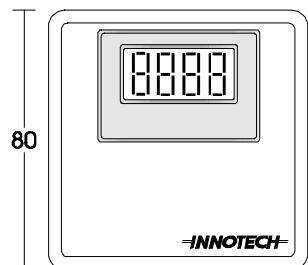
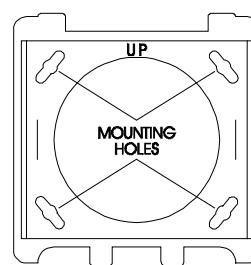
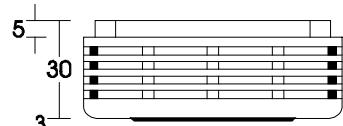
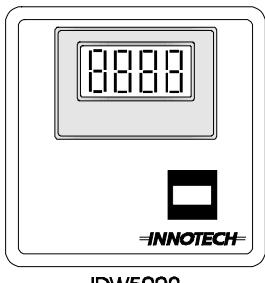
 Ensure that the word "UP" is to the top.

2. Wire in accordance with Innotech connection diagrams and local bylaws or refer to your local distributor.
3. Fit the cover by placing the top edge of the cover over the tabs on the top of the base and then pressing the bottom middle of the cover to the wall. A firm click indicates that the cover is securely fixed.

**Removing The Cover**

Grip the bottom of the sides of the cover and then lift the cover off the wall. It will come free of the base with a minimum of force.

DO NOT grip the cover by the middle of the sides. This will cause the cover to grip more firmly to the base.


**IDW5001**

**IDW5002**
**Applications**

The Innotech IDW5001 and IDW5002 wall mounted digital displays are designed to accept a -2.5 to 11 V DC input signal. The IDW5002 is fitted with a momentary action push button switch to select one of two inputs to be displayed.

**Features**

- Attractively styled low profile case blends with any decor
- 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
- Easy push button selection of input source on IDW5002

**Approvals**

The IDW5001 & IDW5002 conforms to the requirements per European Consortium standards EN55011:1991 (CISR11) Class B, Group 1, and Australian/New Zealand standard AS/NZS 2064:1997 for RCM labelling.

## 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 terminals 3, 6, 7 or 8.
4. Shielded cable should be used for the input circuit(s) where there are high levels of EMI (electro-magnetic interference). The shield must be continuous right to the display and earthed only to terminal 9 of the display that it is connected to.

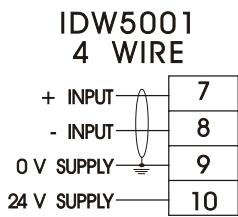
## Calibration

The digital display in the IDW 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

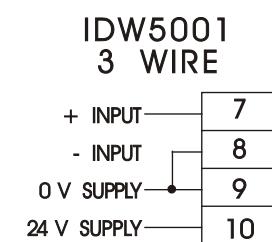
1. Remove any wires from terminal 7.
2. Short terminals 7 & 8 together.
3. Adjust 'Zero' Pot with screwdriver until the meter reads 0.00.
4. Apply a DC voltage to input terminal 7.
5. Measure the voltage with a multimeter and adjust the 'span' pot with a screwdriver until the reading on the display agrees with the multimeter.

## STANDARD CONNECTION

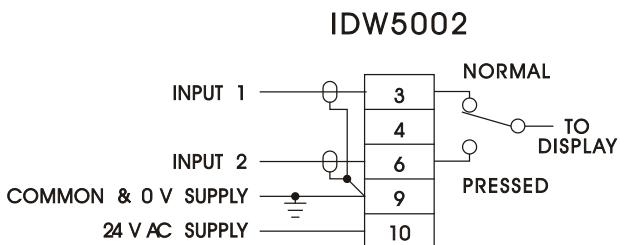


Screened Cable should be used to reduce EMI.

## STANDARD CONNECTION

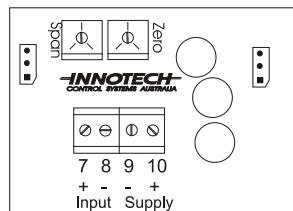


## \* STANDARD CONNECTION



Screened Cable should be used to reduce EMI.

## REAR OF DISPLAY



Rear of display showing terminal connections.

**INNOTECH®**

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by Mass Electronics Brisbane

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