MODELS:
IDW5212: Remote Adjuster and Display for ITC and IPC
IDW5312: Remote Adjuster and Display for IMC

IDW5x12

Wall Display with Remote Adjuster

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.

Input

- -2.5V to +11VDC max

Output

- 0-10 VDC Control Signal (IDW5212 only)
- Two wire resistance change (IDW5312 only)

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

3	Input 1 for Temperature Out - switch not pressed.
4	Output for Reset/Remote Set Point.
6	Input 2 for Set Point Out - switch pressed.
9	Common and 0VAC supply.
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

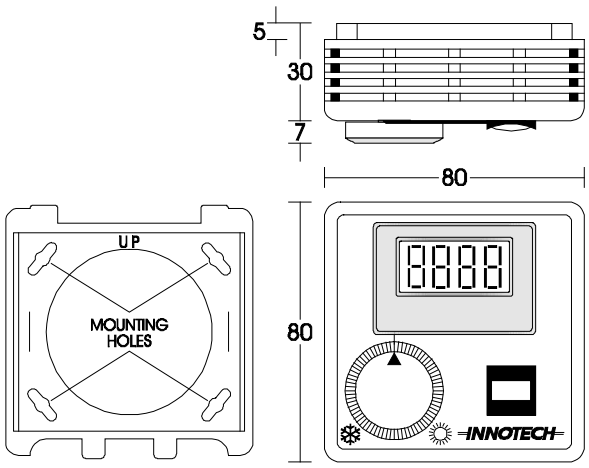
1. Mount unit in a dry and reasonably clean location free of vibration by fixing the base to the wall with four screws through the holes provided in the base of the case.

   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.



Applications

The Innotech IDW5212 wall mounted digital displays with remote adjusters is designed to function with an ITC or IPC controller. The IDW5312 is designed to function with an IMC. They provide Set Point adjustment and display detector and Set Point readings.

They are fitted with a momentary action push button switch which displays the detector reading normally and the Set Point reading when depressed.

Features

- Attractively styled low profile case blends with any decor
- Single unit provides adjustment of Set Point and display of detector reading and Set Point setting
- Easily read 10mm high digits
- Resolution of 0.1
- Easy push button selection of input source

Approvals

The *IDW5212* & *IDW5312* 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, 4 or 6.
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 unit and earthed only to terminal 9 of the unit that it is connected to.

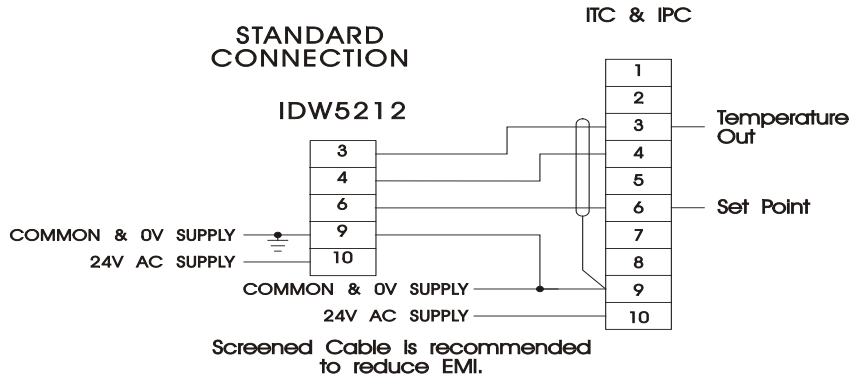
Calibration

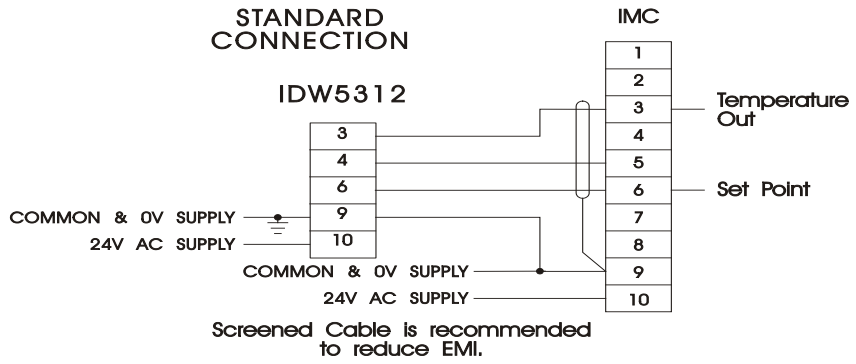
The digital display in the IDW can be calibrated via the start and span pots as described below.

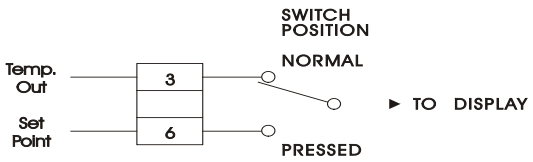
Use extreme care when making these adjustments as the display components are miniature and therefore fragile.

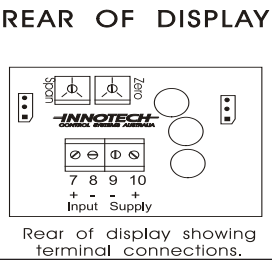
1. Remove any wires from terminal 7.
2. Short terminals 7 & 8 together.
3. Adjust 'Zero' Pot with screwdriver until the meter reads 0.00.
4. Apply a DC voltage to the input terminal 7.
5. Measure the voltage with a multimeter and adjust the 'span' pot with a screwdriver until the reading on the display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

The above Calibration refers to the terminals located at the rear of the display.









Rear of display showing terminal connections.

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