

**Models:**

ITW4001: Standard Model  
ITW4002: Limited Adjustment - External  
ITW4003: Limited Adjustment - Internal

**ITW400x****Wall Mounted Temperature Detector****Specifications****Operating Voltage:**

12VDC to 30VDC (35VDC Max)

**Operating Mode:**

Two wire current loop

**Calibration:**

Within  $\pm 0.25^\circ\text{C}$  of reference at  $24^\circ\text{C}$

 ITW4002 & ITW4003 calibrated with adjustment knob set to mid position.

**Adjustment Range:****ITW4002 and ITW4003 only**

Approximately  $+2^\circ\text{C}$  to  $-3^\circ\text{C}$ . This adjustment is non-linear and should be used only for "WARMER/COOLER" comfort adjustment.

**Temperature Ratings:**

**Storage:** 10-50°C non-condensing  
**Operating:** 10-50°C non-condensing

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

**Colour:** Off White

**Installation**

1. Mount the base to the wall with four screws through the holes provided in the base of the case.

 Ensure 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. Seal the hole in the wall after wiring to prevent errors in the measured temperature.
4. Fit the cover by placing the top edge of the cover over the tabs at 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.

**Wiring**

For most installations twisted pair cable will be adequate provided that it is not run in the same conduit as power cables.

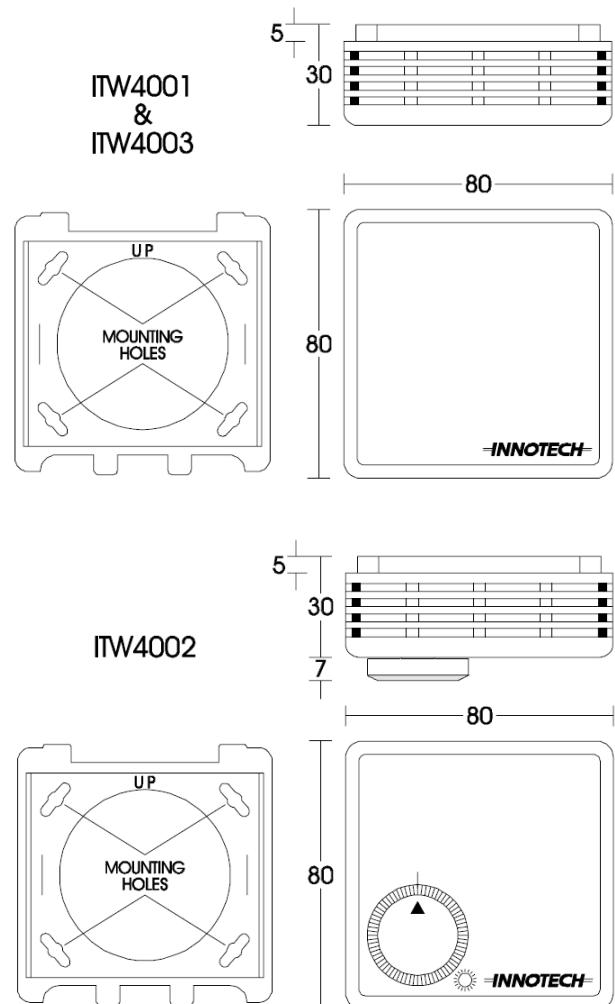
It is good practice to maintain at least 50mm clearance between detector wiring and power wiring.

Shielded cable should be used where there are high levels of EMI (electro-magnetic interference). The shield should remain continuous from the detector to terminal 9 of the controller.

**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 cover by the middle of the sides. This will cause the cover to grip more firmly to the base.

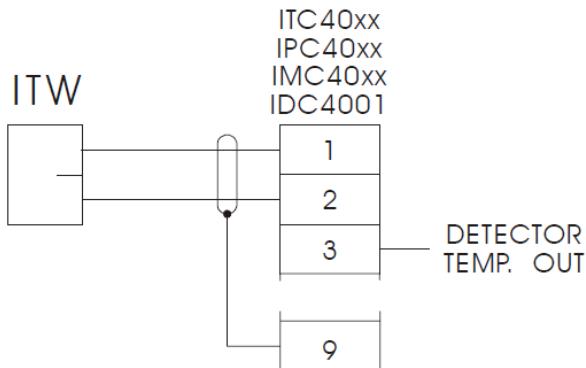
**Application**

The INNOTECH range of wall mounted current loop temperature detectors are designed for use with INNOTECH ITC, IPC, IMC, IDC and IDS42 range of temperature controllers.

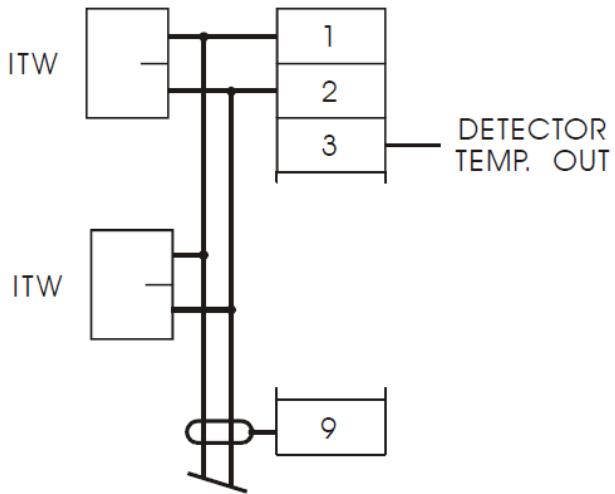
**Features:**

- Attractively styled low profile case blends with any decor
- Cover secured by positive locking clips
- No unsightly screws
- Current loop operation eliminates problems associated with voltage drop in connecting cables
- Output is linear over full operating temperature range
- Individually factory calibrated
- Detectors are interchangeable
- Not polarity conscious

## STANDARD CONNECTION



## \* DETECTOR AVERAGING



\* Requires factory modification in controller before this option is used.

**INNOTECH®**

Australian Owned, Designed & Manufactured

by Mass Electronics Brisbane

Phone: +61 7 3421 9100 Fax: +61 7 3421 9101

Email: [sales@innotech.com.au](mailto:sales@innotech.com.au) [www.innotech.com.au](http://www.innotech.com.au)

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