

Models:

IMP4001: Standard Model

IMP4002: Automatic / Manual Select

IMP400x

Wall Mounted Manual Positioners

Specifications

Power Supply

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

Power Consumption: 1VA max

Input

- One 0-10VDC Control Signal

Output

- One 0-10VDC Control Signal

IMP4002

LED off - output = input

LED on - output = knob adjustment

Adjustment Range

- 0% to 100% by rotating knob

Terminal Identification

- | | |
|----|--------------------------------|
| 3 | 0-10VDC Control Signal input. |
| 4 | 0-10VDC Control Signal output. |
| 9 | Common and 0VAC supply. |
| 10 | 24VAC supply. |

Temperature Ratings

- Storage 0 to 50°C non condensing
- Operating 10 to 40°C non condensing

Enclosure

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

Colour: Off white

Installation

- Mount 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.

- Wire in accordance with INNOTECH connection diagrams and local bylaws or refer to your local distributor.
- 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.

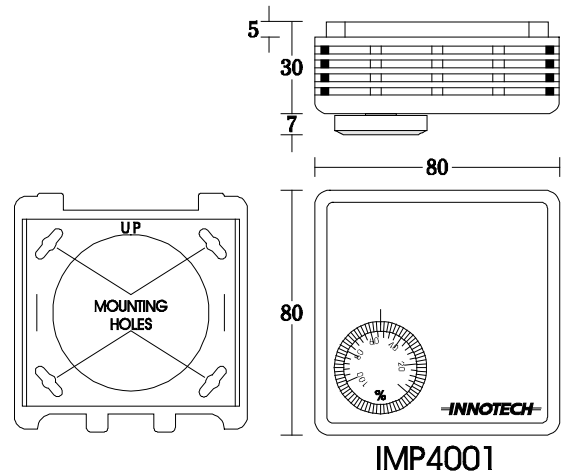
Wiring

Shielded cable should be used to reduce the problem of EMI (electro-magnetic interference). The shield should remain continuous from the IMP to the device being controlled. It is good practice to maintain at least 50mm clearance between control circuit wiring and power wiring.

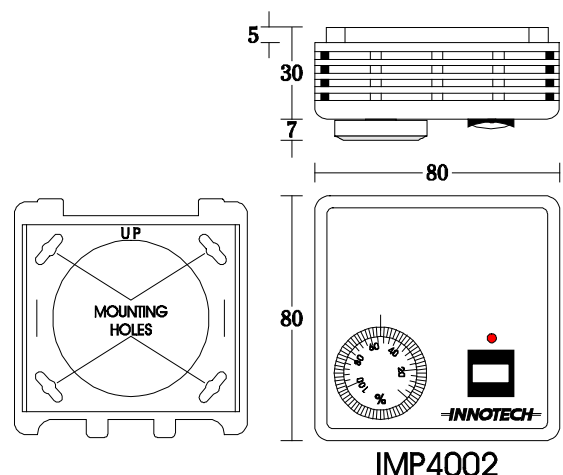
Removing The Cover

Grip the bottom of the sides of the cover and then lift the cover off the wall. It will come free from 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.



IMP4001



IMP4002

Application

The INNOTECH IMP4001 manual positioner is designed to provide a means to manually position actuators or other devices which use a 0 to 10VDC Control Signal. If a Control Signal input is connected to terminal 3, the output will be the higher of the knob setting or the input from terminal 3.

The INNOTECH IMP4002 manual positioner is designed to provide automatic/manual selection and manual positioning of actuators or other devices which use a 0 to 10VDC Control Signal. The IMP4002 can also be configured to provide a manually set minimum override in automatic mode.

Features

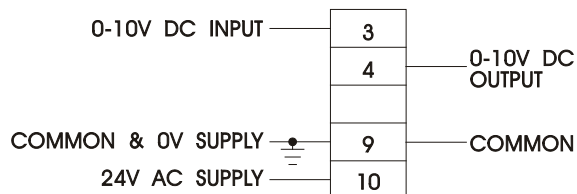
- LED indication of Auto/Manual mode (IMP4002)
- Manually set override of minimum position
- Attractively styled low profile case blends with any decor
- Cover secured by positive locking clips
- No unsightly screws

Approved

The IMP400x conforms to the Australian/New Zealand requirements for standard AS/NZS1044:1995 including Amendment 1:1997 for RCM labelling.

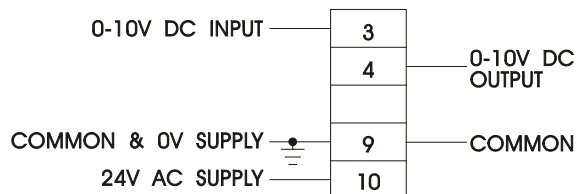
STANDARD CONNECTION

IMP4001

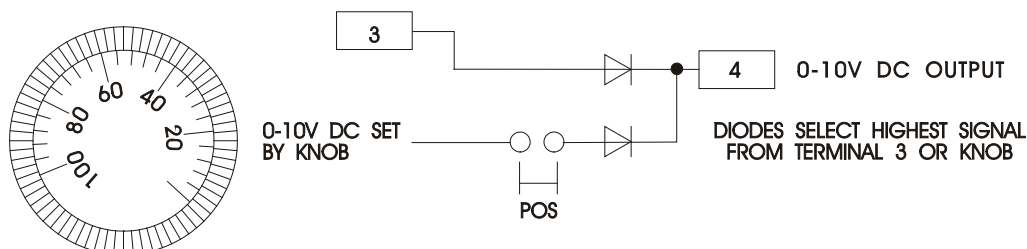


STANDARD CONNECTION

IMP4002

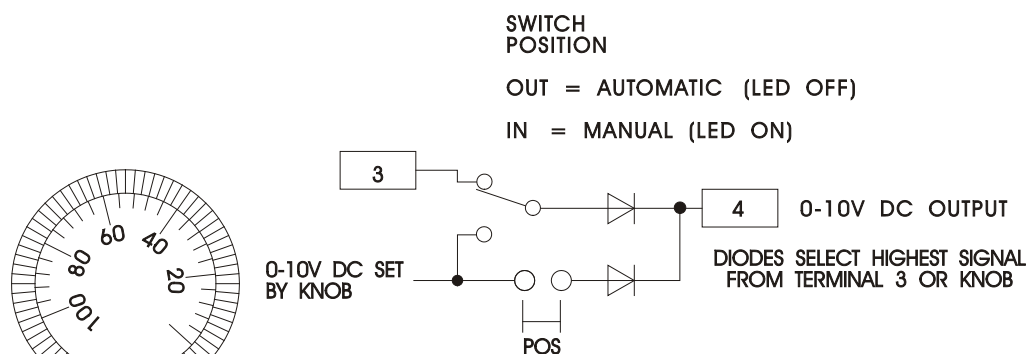


OPERATION OF IMP4001



PLACE SOLDER ON PADS MARKED 'POS'
ON PCB TO SELECT MINIMUM OVER-RIDE
IN AUTOMATIC MODE

OPERATING MODES OF IMP4002



PLACE SOLDER ON PADS MARKED 'POS'
ON PCB TO SELECT MINIMUM OVER-RIDE
IN AUTOMATIC MODE

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