

## Models:

IPR400n: 1 to 5 Stage Package Relay  
N = Number of Stages

## IPR400n

## Package Relay

## Specifications

### Power Supply

Voltage: 24VAC  $\pm 10\%$  @ 50/60Hz  
Power Consumption: 5VA Max.

### Input

One 0-10VDC Control Input

### Outputs

One N/O voltage free contact per stage (2A max.)

### Terminal Identification

8	0-10VDC Control Input
9	Common / 0V supply
10	24VAC supply

### Relay Terminal Identification

A to J One N/O voltage free contact per stage

### Temperature Ratings

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

### Enclosure

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

Colour: Grey  
Mounting: DIN rail mounted.

### DIN Rail Mounted Enclosure

The INNOTECH enclosure is designed to provide tight positive locking to varying thicknesses of DIN rail. When fitting to thick DIN rail, it may be necessary to remove the packing tabs on the back of the base.

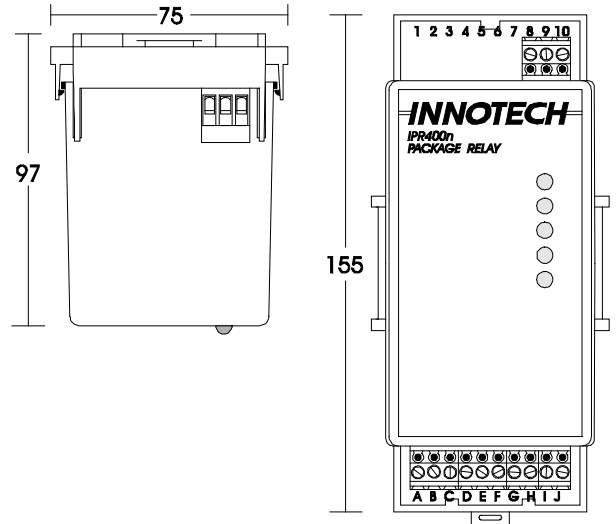
Lugs on each side of the base ensure that correct spacing is maintained between units on the same DIN rail.

## Installation

1. Mount controller in a dry and reasonably clean location free or excessive 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 the 24VAC to terminal 9.
3. DO NOT connect 24VAC to terminal 8.



## Application

The INNOTECH IPR Package Relays are designed for applications where a 0-10VDC control signal input is required to control up to five fixed stages of heating or cooling in air conditioning and associated systems.

## Features

- Factory set ON/OFF points need no adjustment
- Reduced commissioning time
- Relay ON/OFF voltages set evenly across 0-10VDC
- LED indication of relay status.
- The INNOTECH enclosure saves space and reduces installation time.

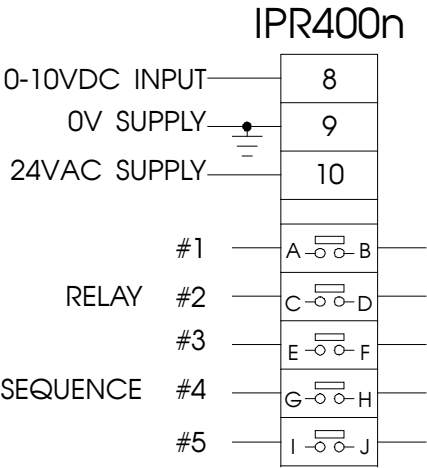
## Relay Contact Configuration

The IPR package relays are supplied as standard with normally open contacts on all relays. They can be factory supplied with normally closed contacts.

## Power On Delay

The relays are locked out for approximately five seconds at power on to prevent relay chatter while the control circuit is being powered up.

STANDARD  
 CONNECTION



Relay Terminal Connections

Model	Terminal Identification				
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
4001	A-B				
4002	A-B	C-D			
4003	A-B	C-D	E-F		
4004	A-B	C-D	E-F	G-H	
4005	A-B	C-D	E-F	G-H	I-J



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