

Models:

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

IPR400n**Package Relay****Specifications****Power Supply**

Voltage: 24VAC ±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.

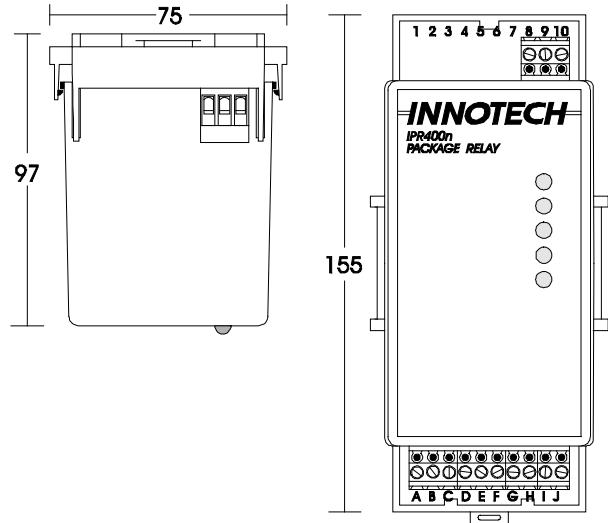
Lugs on each side of the base ensure that correct spacing is maintained between units on the same DIN rail.

Installation

1. Mount controller in a dry and reasonably clean location free of 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

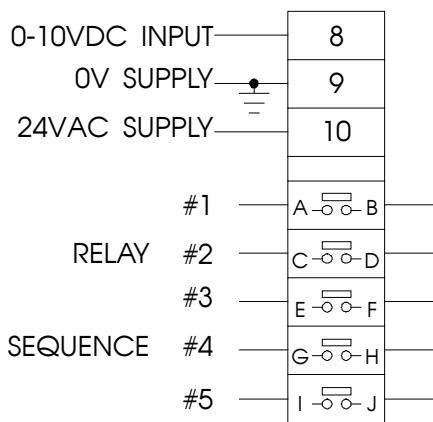
The IPR package relays are supplied as standard with normally open contacts on all relays. They can be factory supplied with normally closed contacts.

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

IPR400n



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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