

Models:

IPR420n: 5 Stage Delayed Package Relay

IPR420n**Delayed 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.)

Delay Timing Range

Ramp UP 30 seconds to 15 minutes
Ramp DOWN 25 seconds to 12 minutes

Terminal Identification

4	0-10VDC Control Input
5	Delayed 0-10VDC Control Output Aux.
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.

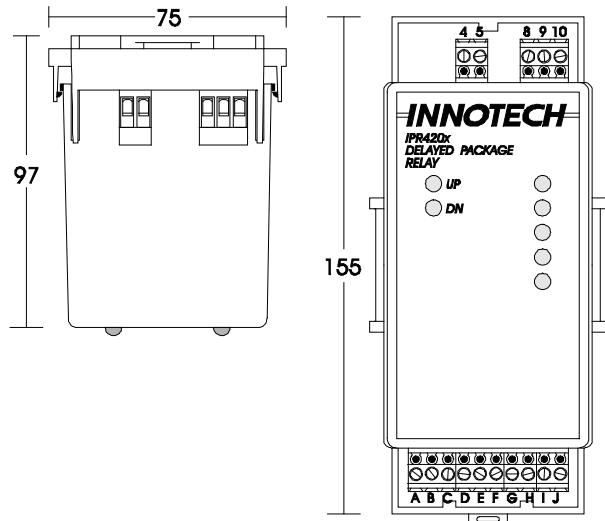
Lugs on each side of the base ensure that correct spacing is maintained between units on the same DIN rail.

Installation

1. Mount controller is 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 terminals 4 & 5.

**Application**

The INNOTECH range of IPR Delayed Package Relays are designed for applications requiring a 0-10VDC control signal with an adjustable time delay on the control signal to control up to five fixed stages of heating, cooling or fans used in air conditioning and associated systems.

Features

- Independently adjustable ramp "Up" and "Down" times
- LED indication of ramping direction
- Relay ON/OFF voltages set evenly across 0-10VDC
- LED indication of relay status
- The INNOTECH enclosure saves space and reduces installation time

Delay Adjustment

The ramp UP pot adjusts the delay time over a range of 30 seconds to 15 minutes. The ramp DOWN time is adjustable from 25 seconds to 12 minutes.

These times above are standard, but other times can be factory supplied on request.

Relay Contact Configuration

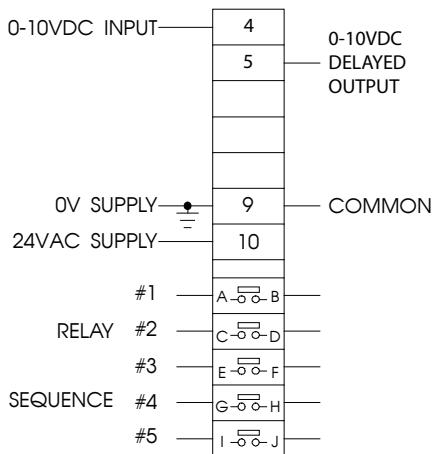
The IPR package relays are supplied as standard with normally open contacts on all relays. They can be factory supplied with normally closed contacts.

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

IPR4205



Relay Terminal Connections

Model	Terminal Identification				
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
4205	A-B	C-D	E-F	G-H	I-J

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