

Models:

IHS4207: 7 Inputs with Analogue Output and Staging Relay

IHS4207**High Signal Selector
with Relay Output****Specifications****Power Supply**

Voltage: 24VAC ±10% @ 50/60Hz
Power Consumption: 3VA Max

Input

- IHS4207 - Seven 0-10VDC

Outputs

- 0-10VDC Control Output
- One single stage relay with configurable On/Off voltages (2A max.)

Terminal Identification

1 to 7 0-10VDC signal inputs.
8 0-10VDC control output.
9 Common and 0VAC supply.
10 24VAC supply.
O NO relay contact.
I NC relay contact.
C Common relay contact.

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

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.

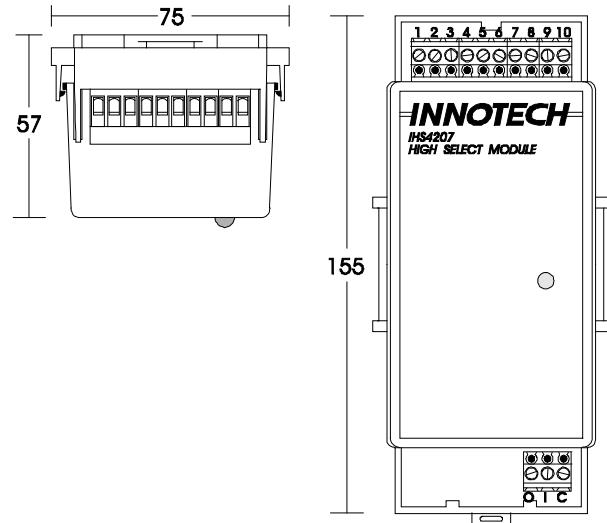
Wiring

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 1 through 8.

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.

**Application**

The INNOTECH IHS4207 high signal selector accepts up to 7, 0-10VDC inputs and produces an output which is equal in value to the highest of the inputs. A single staging relay with configurable on and off voltages and an adjustable time delay is driven off the analogue output to provide a switched output.

Features

- Interface to a wide range of devices with a 0-10V DC control signal
- No diode voltage drop between input and output
- Staging relay for a common device e.g. chilled water pump
- The INNOTECH enclosure saves space and reduces installation time

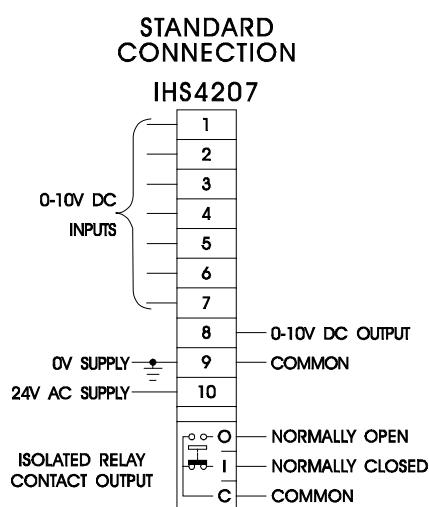
Operation

The IHS4207 has been specifically designed to overcome the voltage drop problems associated with circuits that use only diodes to select the highest input voltage.

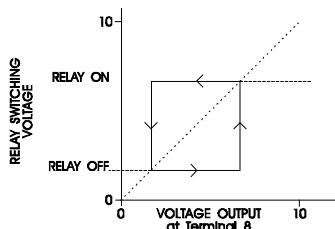
Staging Relay

The staging relay ON and OFF voltage settings are separately adjustable via internal multi-turn potentiometers. The setting can be measured by a digital multimeter connected between the test pin and terminal 9.

The staging relay has a delay timer on its operation to prevent spurious operation.



RELAY OPERATION



The relay energises when the voltage out at terminal 8 rises above the setting of the "ON" pot.

The relay de-energises when the voltage out at terminal 8 falls below the setting on the "OFF" pot.

INNOTECH®

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