

Models:

IAS4007: 7 Inputs
IAS4014: 14 Inputs

IAS40xx**Average Signal Selectors****Specifications****Power Supply**

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

Input

- IAS4007 - Seven 0-10VDC
- IAS4014 - Fourteen 0-10VDC

Outputs

0-10VDC Positive Control Output

Terminal Identification

- | | |
|----------|--------------------------------------|
| 1 to 7 | 0-10VDC signal inputs. |
| 8 | 0-10VDC control output. |
| 9 | Common and 0VAC supply. |
| 10 | 24VAC supply. |
| 11 to 17 | Additional signal inputs on IAS4014. |

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 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.

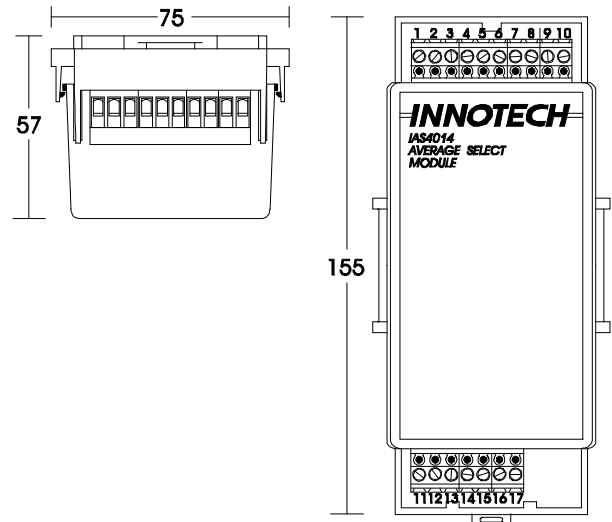
Wiring

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 terminals 1 through 8 and 11 through 17.

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 average signal selectors accept up to 7 or 14, 0-10VDC inputs and produce an output which is the average of all the inputs. The “averaging ratio” can be set by an internal DIP switch from 1 to 7 or 1 to 14 depending on the model used.

Features

- Interface to a wide range of devices with a 0 to +10VDC signal
- Switch selection of averaging ratio
- Inputs can be linked to have higher priority in the system
- 10VDC regulated supply
- Wide range of applications
- The INNOTECH enclosure saves space and reduces installation time

Operation

The averaging ratio equals the sum of the values (1, 2, 4 and 8) printed on the PCB adjacent to the DIP switch. For example if poles 1 and 4 are ON, the averaging ratio is 5.

The output voltage is equal to the sum of all inputs divided by the averaging ratio.

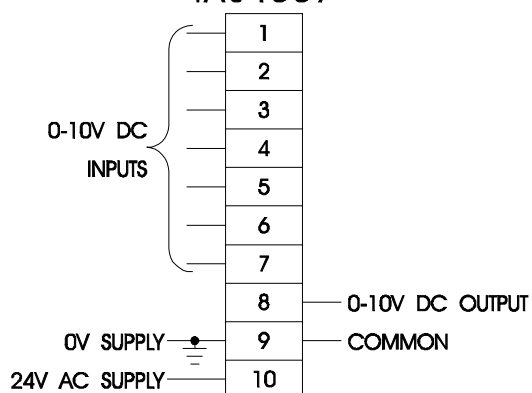
The output will be 0V when ALL inputs are 0V.

The output will be 10VDC when ALL the inputs are 10VDC if the averaging ratio as set by the DIP switch is the same as the number of input connections.

The averaging ratio and input linking can be different values. This feature can be used to interface between units using different control voltage ranges.

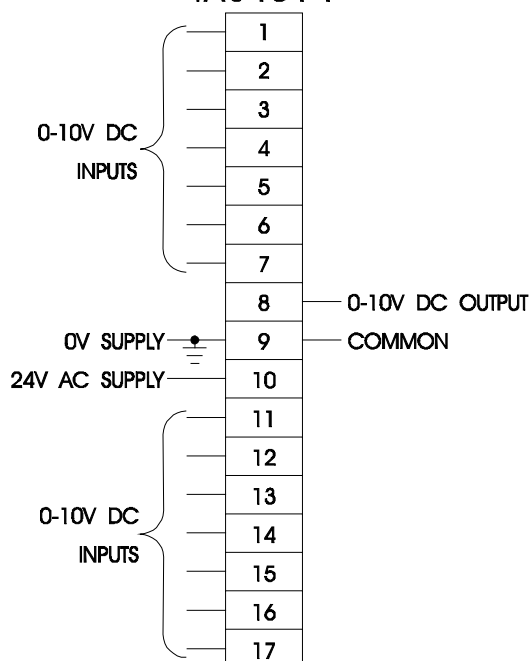
STANDARD CONNECTION

IAS4007



STANDARD CONNECTION

IAS4014



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