

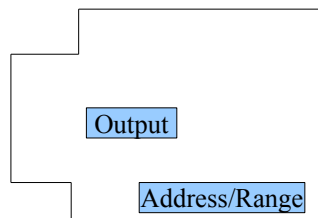
Isoslice-8

This is the unit with 4 analogue outputs.

Channel Number and Output Range Selection

The channel number is set up using the 12 way dipswitch. For this application the Isoslice-8 has channel 2 allocated to it. If all switches are off, channel number is 1 (invalid):

Address Switches	Action
8	add 1
7	add 2
6	add 4
5	add 8
4	add 16
3	add 32
2	add 64



Channel 2 has switch 8 on (start at 1 then add 1), switches 2 to 7 are off.

The Isoslice-8 has been factory calibrated for two different ranges for each output. These can be chosen using switches 9 to 12 on the 12 way switch.

Range Switches	Output	Off	On
9	1	4-20 mA	0-10V
10	2	4-20 mA	0-10V
11	3	4-20 mA	0-10V
12	4	4-20 mA	0-10V

Switch 1 should be off for high level burnout indication (23 mA or 11.5V output if T/C or RTD burnout is to be indicated).

Switch 1 should be on for low level burnout indication (0 mA or 0V output).

Output Type Selection

The output type is set up using the 4 way dipswitch

Output Switches	Output	Off	On
1	1	mA	Voltage
2	2	mA	Voltage
3	3	mA	Voltage
4	4	mA	Voltage

Calibration of the Isoslice-8

There are 2 push buttons and an led.

The units have been calibrated for 4-20mA on all channels so recalibration should not be necessary.

Choose the output channel to calibrate by pushing the up or down button when the led is green. It will flash red between one and four times indicating the output to be calibrated.

When the input has been chosen push and release both buttons.

The led will go red.

Press raise/lower buttons to adjust output value until correct.

Push and release both buttons. The led will go off briefly (to indicate it has learnt and saved a new value) then change to green.

Push and release both buttons

The led will go amber.

Press raise/lower buttons to adjust output value until correct

Push and release both buttons, the led will again go off briefly then change to green.

Isoslice-8 errors

Green led flashing (E 2):

The eeprom checksum indicates the eeprom is corrupt. Push and release both buttons to clear the error. Recalibration of all outputs will be required.

Red led flashing (E 5):

The address chosen using the Address switches is invalid.

2. Connections

- 7. Output 4 mA, V +ve
- 8. Output 4 mA, V -ve, mA Sink +ve
- 12. Output 4 mA Sink -ve

- 5. Output 3 mA, V +ve
- 6. Output 3 mA, V -ve, mA Sink +ve
- 11. Output 3 mA Sink -ve

- 1. Output 1 mA, V +ve
- 2. Output 1 mA, V -ve, mA Sink +ve
- 9. Output 1 mA Sink -ve

- 3. Output 2 mA, V +ve
- 4. Output 2 mA, V -ve, mA Sink +ve
- 10. Output 2 mA Sink -ve

