

# Output Module IO/AX4.1/S



The IO/AX4.1S is an analogue output module that is designed to convert 1 x 0-10 volt input signal to 2, 3 or 4 x 0-10 volt outputs operating in sequence.

The sequence can be set to auto change allowing equipment being controlled to get an even share of the run time.

The output slope origin can be adjusted by  $\pm 1v$  thus creating an overlap or deadband offset between the outputs.

There is also an adjustable slew rate timing (0-5 mins) common to each output which prevents short cycling and overshoot of the increasing outputs.

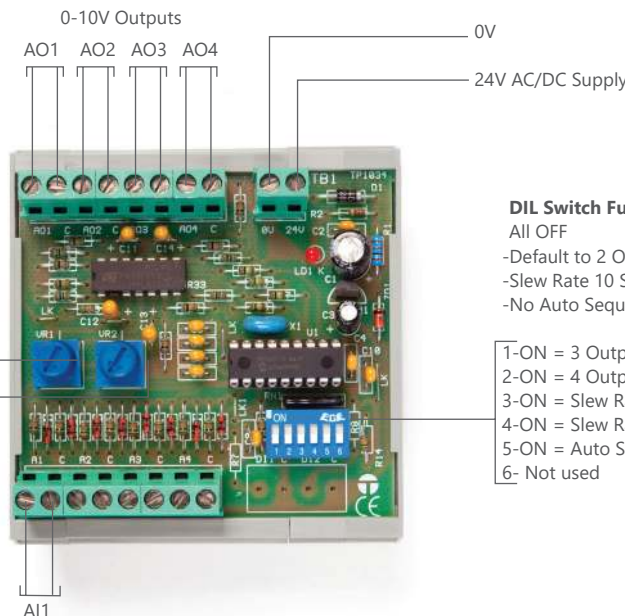
## Specification

Power Supply:	24V AC/DC +/-10%
Input Control:	1 x 0-10V
Output:	2, 3 or 4 x 0-10V (rated 5mA each)
Power Consumption:	25 mA max
Terminals:	1.0mm recommended 2.5mm max.
Operating Temperature:	0 to 50°C
Operating Humidity:	5-80% non-condensing
Dimensions:	85mm high, 80 mm wide, 45 mm deep
Mounting:	DIN Rail
Approvals:	CE / UKCA
Warranty:	24 months
Country of Origin:	UK
Product Code:	IO/AX4.1/S

## Features

- Microprocessor based
- 24vAC/DC supply
- 1 Input signal to control in sequence up to 4 outputs
- Output slope origins adjusted by  $\pm 1v$
- Adjustable output slew rates
- Auto output sequence change

## Connections

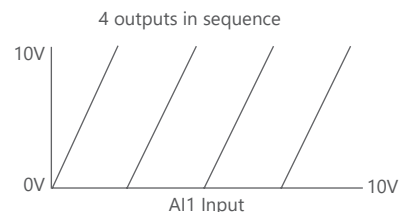
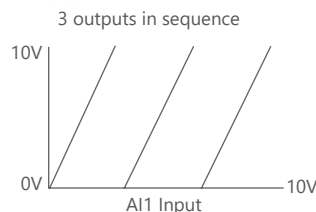
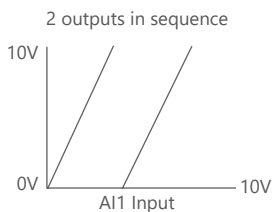


**VR1** - Slew Rate time common to each output (0-5mins)

**VR2** - Output slope origin to create overlap or dead band between outputs  $\pm 1v$

## DIL Switch Functions

- All OFF
- Default to 2 Outputs (AO1 & AO2)
  - Slew Rate 10 Seconds
  - No Auto Sequence Change
- 1-ON = 3 Outputs in Sequence  
 2-ON = 4 Outputs in Sequence  
 3-ON = Slew Rate = 25% of VR1 setting  
 4-ON = Slew Rate = 50% of VR1 setting  
 5-ON = Auto Sequence Change  
 6- Not used



Outputs can overlap by adjustment of VR2 0-2 volts

Wiring note: All 0-10V connections are common on the AX4 module