AX-VSR

Voltage Splitter and Reference Module

Product Overview

The Axio AX-VSR provides 3 buffered outputs from a variable voltage (0-10V) input signal. The module also includes an adjustable 4 to 10 volt reference output, factory set to 10V. This can be connected to an external potentiometer such as the AX-POT to provide a low cost 0-10V setpoint. The AX-VSR is supplied in a DIN rail carrier as standard suitable for mounting on TS35 section DIN rail.

The module features high quality rising clamp terminals for ease of connection.

Features

- 3 buffered voltage outputs
- Adjustable reference output (4-10Vdc)
- Provision for external potentiometer connection
- 24Vac/dc powered
- High quality rising clamp terminals
- DIN rail carrier as standard (TS35 DIN rail)

Product Specifications

Input Signal	0-10Vdc maximum (50kΩ load impedance)
Output Signals 1, 2 and 3	As input, at 5mA maximum load
Adjustable Reference	4-10Vdc at 5mA maximum load
External Potentiometer	10kΩ and above
Supply Voltage	24Vac/dc (±15%)
Power Consumption	34mA @24Vdc (0.85VA): 55mA @24Vac (1.3VA)
Terminals	Rising clamp for 0.5-2.5mm² cable
Ambient Temperature Range	0°C to 50°C
Dimensions	35(W) x 85(H) x 45(D) (Maximum)
Weight	55gms
Country of Origin	United Kingdom

Order Codes

AX-VSR	Voltage Splitter and Reference Module

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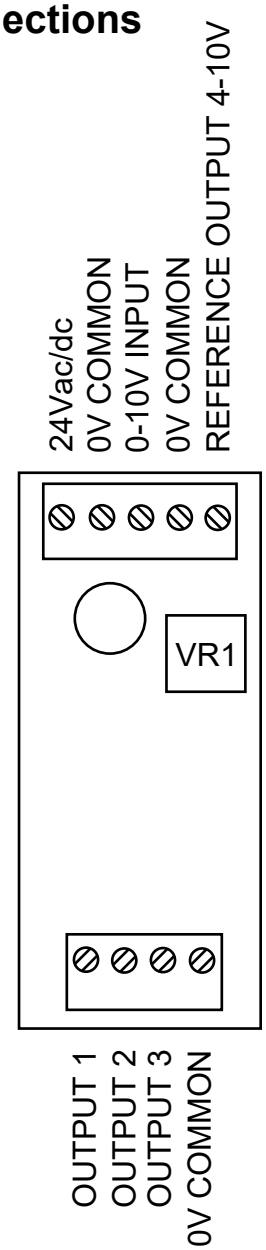
Installation

The AX-VSR should be installed by a suitably qualified technician in conjunction with any guidelines for the equipment it is to be connected to and any local regulations. Field wiring should be installed to satisfy the requirements set out by the manufacturer of the equipment that the module is being connected to.

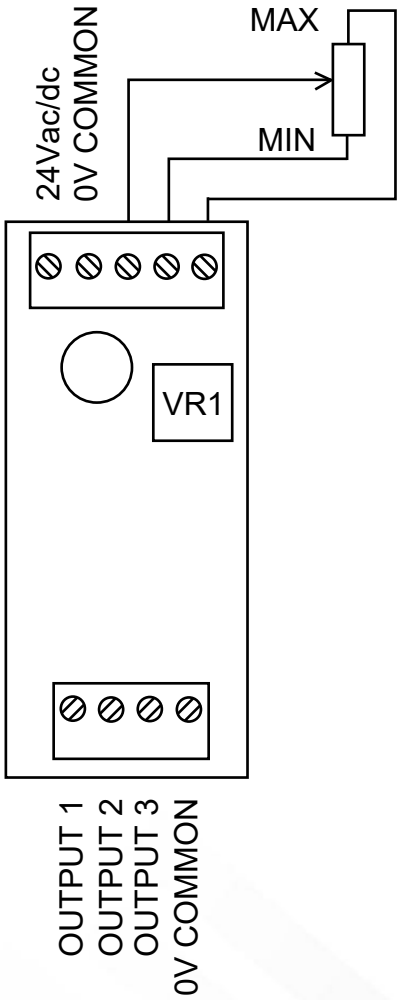
Adjusting Reference Output

The reference output is factory set at 10.0V, and is adjustable between 4 and 10V. Adjust VR1 to set the required reference output or connect an AX-POT for a panel mounted remote adjustable 0-10Vdc.

Connections



Example connection using an external potentiometer



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