



Product Overview

The Axio AX-AMMM provides the average, minimum, maximum and middle values of the selected 0-10V inputs, up to 5 inputs can be selected. Alternatively the difference between input pairs can be provided. The AX-AMMM is supplied in a DIN rail and features high quality rising clamp terminals for ease of connection.

Features

- Average, min, max and middle of inputs
- Difference between inputs 1 to 2 and 3 to 4
- 24Vac/dc powered
- DIN rail carrier (TS35 DIN rail)
- High quality rising clamp terminals

Product Specifications

Inputs	Five 0-10Vdc, 1mA maximum
Outputs	Four 0-10Vdc, 5mA maximum
Supply Voltage	24Vac/dc ($\pm 15\%$)
Supply Current	50mA dc / 125mA ac maximum
Terminals	Rising clamp for 0.5-2.5mm ² cable
Ambient Temperature Range	0°C to 50°C
Dimensions	57(W) x 82(H) x 43(D)mm (Maximum)
Weight	65gms
Country of Origin	United Kingdom

Order Codes

AX-AMMM Averaging minimum maximum middle module

Installation

The AX-AMMM should be installed by 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.

Description and Connections

Average, minimum, maximum and middle mode

The average, minimum, maximum and middle value of the selected inputs are output on OUT1, OUT2, OUT3 and OUT4 respectively

Mode and input selection		
Inputs	Jumpers	
IN1, IN2	A	C
IN1, IN2, IN3	A	D
IN1, IN2, IN3, IN4	A	E
IN1, IN2, IN3, IN4, IN5	A	F

Output connections	
OUT1	Average
OUT2	Minimum
OUT3	Maximum
OUT4	Middle (Min + Max) / 2

Dual differential mode

If IN1 greater than IN2 then OUT1 = IN1 - IN2 else OUT1 = 0

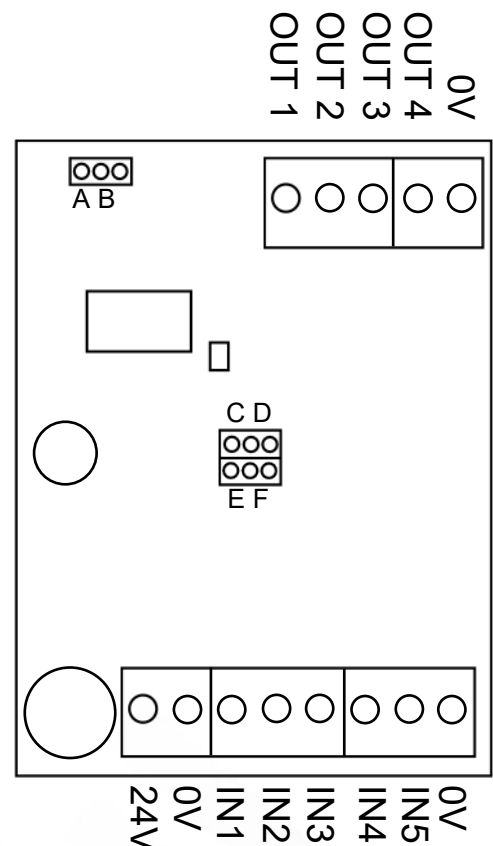
If IN2 greater than IN1 then OUT2 = IN2 - IN1 else OUT2 = 0

If IN3 greater than IN4 then OUT3 = IN3 - IN4 else OUT3 = 0

If IN4 greater than IN3 then OUT4 = IN4 - IN3 else OUT4 = 0

Mode and input selection	Jumpers	
Dual differential mode	B	C

Output connections	
OUT1	IN1 - IN2
OUT2	IN2 - IN1
OUT3	IN3 - IN4
OUT4	IN4 - IN3



Datasheet Contents

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