
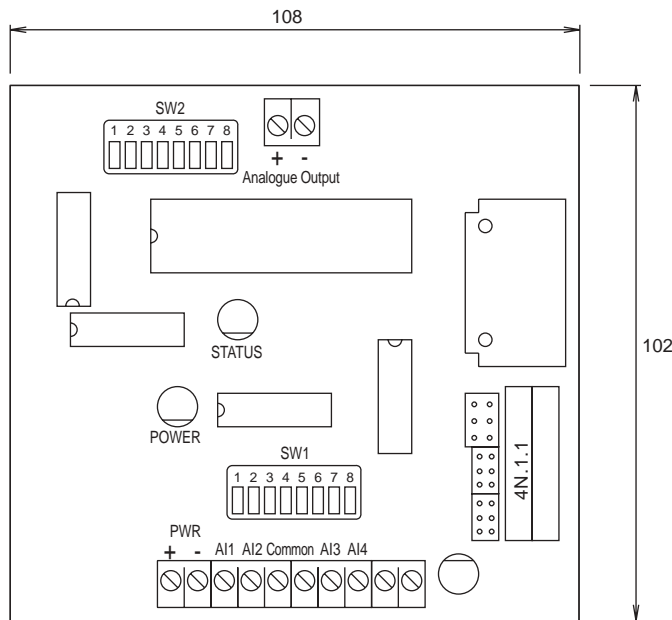


B.M.S INPUT-OUTPUT MODULE 1-4 x 0-10VDC IN MAX, MIN, AVERAGE OUT

4N1.1

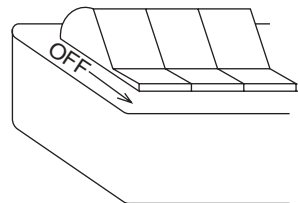
<p>■ This product analyses up to four analogue inputs and produces a single analogue output of either the Average, Lowest, Highest or the Difference of two inputs.</p>	 <p>4N1.1</p>	<p>4 x 0-10vdc input to 1 x vdc output</p> <p>LED Status Indicators</p> <p>Dip Switch selectable modes of operation and ranges</p>			
Type	Supply ±10%	Input Selectable	Output Selectable	Consumption	Protection
4N1.1	24VAC/DC	up to 4 x 0-10VDC 4 x 0-5VDC	1 x 0-10VDC 1 x 0-5VDC	200mA	IP00

WIRING:



WIRING CONNECTIONS

Connect Input Signal Commons (-) to terminals labelled Common.
Connect Input Signals (+) to respective terminal labelled AI1 through AI4
Connect controlled device to Output (+) and (-).



Legend:
These switches are OFF

OPERATION:

SWITCH SETTINGS ON BLOCK SW1

SELECT ANALOGUE INPUT RANGE

- 0-5VDC Switches 1-4 OFF
Switches 5-8 OFF
- 0-10VDC Switches 1-4 OFF
Switches 5-8 ON
- 0-20mA Switches 1-4 ON
Switches 5-8 OFF

Unused Inputs & Switch Positions:
Dipswitch 1, 2, 3, 4 corresponds to AI1, AI2, AI3, AI4,
If input 4 is not being used you must have
Dipswitch 4 ON. If inputs 3 & 4 are not being
used, you must have Dipswitches 3 & 4 ON.

CHECK

Apply power. Power LED will light and remain ON.
Status LED will blink at a steady rate (twice a second
approx.) indicating microprocessor is functioning
properly.

SWITCH SETTINGS ON BLOCK SW2

SELECT MODE OF OPERATION Switch Block SW2

- Output Highest Signal: Switch 4, 5, 6 OFF
- Output Lowest Signal: Switch 4, 6, OFF 5 ON
- Output Difference: Switch 4 ON 5, 6 OFF
- Output Average: Switch 4, 5, ON 6 OFF

SELECT NUMBER OF ANALOGUE INPUTS

- A1, A2 Switch 7 OFF, 8 ON
- A1, A2, A3 Switch 7 ON, 8 OFF
- A1, A2, A3, A4 Switch 7, 8 ON

SELECT VOLTAGE OR CURRENT OUTPUT TYPE

- Voltage Output Switch 1 OFF, 2 ON
- Current Output Switch 2 OFF, 1 ON

SELECT ANALOGUE OUTPUT RANGES

- 0-10VDC Switch 3 OFF
- 0-5VDC, 0-20mA Switch 3 ON

NOTE: Switch 6 is always OFF

INSTALLATION: Terminals 0.5 - 2.5mm² Sensor cable size 7/0.2mm Keep away from power cables/units which may cause interference.
Max length 100m. Screened cable is recommended. The screen should be earthed at the controller 0V terminal only.

CAUTION: These devices are suitable for low voltage supply only. Device should be checked by a qualified technician before applying any voltage.
Isolate device from electrical supply before removing cover. Observe all relevant safety precautions, wiring/earthing regulations and electrical ratings.
Observe design limits of temperatures/electrical ratings. Observe safety precautions for handling electrostatic sensitive devices.
Always ensure the device operates correctly. If failure of the device can cause damage a safety backup control should be fitted.
All data is for guidance purposes only, subject to change without prior notice and not guaranteed to be absolutely correct unless confirmed by us in writing.

