

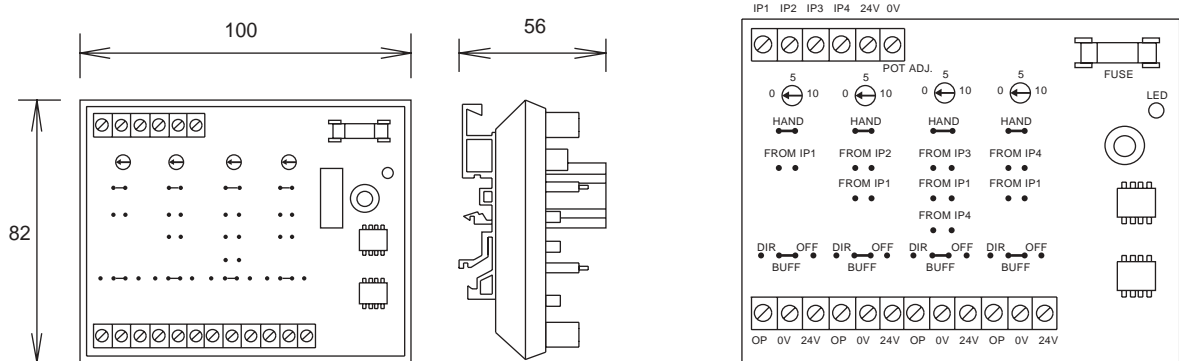
B.M.S INPUT - OUTPUT MODULES ANALOGUE BUFFER MODULE 0-10VDC

ABM4

<p>■ This unit can be used to generate / reroute up to four 0-10vdc signals:</p> <p>Applications include - Manual adjustment of the 0-10vdc signal potentiometer can be used to position actuators etc, providing commissioning test signals, buffering one signal to drive several actuators or buffering four signals to drive four actuators - each of which draws a high input signal current.</p>	 <p>ABM4</p>	<p>Direct / Buffer / Off Link Selectable Hand / Auto Link Selectable LED Power Indicator Output Signal Current: 20mA per channel Output Power Current: 6A Operating Current: 260mA AC 115mA DC Input Time Constant: 1ms Manual Output Adjustment Output Voltage Test Points Terminals: Rising Clamps 0.5-2.5mm²</p>
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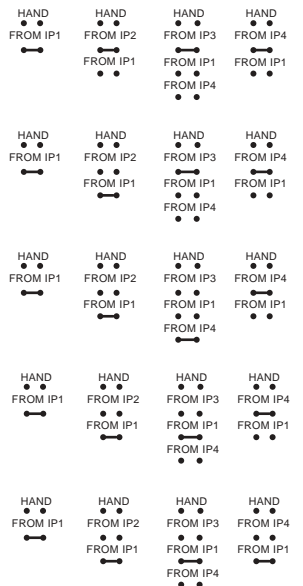
Type	Supply ± 10%	Input	Output Direct or Buffered	Ambient Humidity	Ambient Temp °C	Mounting	Protection
ABM4	24VAC/DC	0 - 10 vdc	0 - 10 vdc	0 to 90% non-condensing	0-50	Din Rail	IP00

DIMENSIONS:



INSTALLATION:

Selecting Inputs -

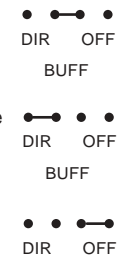
<p>Each output separate</p> <p>Two linked, two separate</p> <p>Two sets of two linked</p> <p>Three linked, one separate</p> <p>All linked</p>	<p>Output 1 linked to input 1 Output 2 linked to input 2 Output 3 linked to input 3 Output 4 linked to input 4</p> <p>Output 1 linked to input 1 Output 2 linked to input 1 Output 3 linked to input 3 Output 4 linked to input 4</p> <p>Output 1 linked to input 1 Output 2 linked to input 1 Output 3 linked to input 4 Output 4 linked to input 4</p> <p>Output 1 linked to input 1 Output 2 linked to input 1 Output 3 linked to input 1 Output 4 linked to input 4</p> <p>Output 1 linked to input 1 Output 2 linked to input 1 Output 3 linked to input 1 Output 4 linked to input 1</p>	
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Buffering Outputs -

When an output is set to BUFFER the signal is buffered to 20mA in both HAND and AUTO modes.

When an output is set to DIRECT, the signal is only powered from the pot in HAND mode or the input in AUTO mode.

When the output is set to OFF, the output signal is open circuit.



Hand Mode -

When an input link is set to HAND, the output signal can be set by adjusting the associated pot.

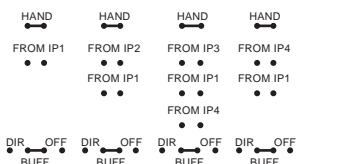
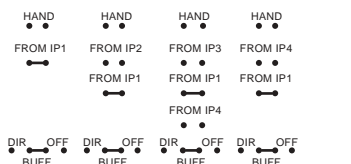
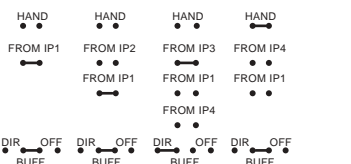
NOTE -

All the 0v terminals are common. There must be only one link used per channel.

Min sensor / control signal cable size 7/0.2mm
The screen must be earthed at controller end only

Max length 100m. Screened cable is recommended.
Keep sensor/control signal wires away from power cables/units which may cause interference.

EXAMPLES :

 <p>Each output buffered and adjusted by pot.</p>	 <p>All outputs buffered and follow input 1.</p>	 <p>Outputs 1 & 2 buffered and follow input 1. Output 3 not buffered and follows input 3. Output 4 buffered and follows pot.</p>
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CAUTION: These devices are suitable for low voltage supply only. Isolate device from electrical supply before removing cover. Observe design limits of temperatures and pressures. 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.

Device should be checked by a qualified technician before applying any voltage. Observe all relevant safety precautions, wiring/earthing regulations and electrical ratings. Observe safety precautions for handling electrostatic sensitive devices.

