

**ABM4**

This unit can be used to generate / reroute up to four 0-10vdc signals:

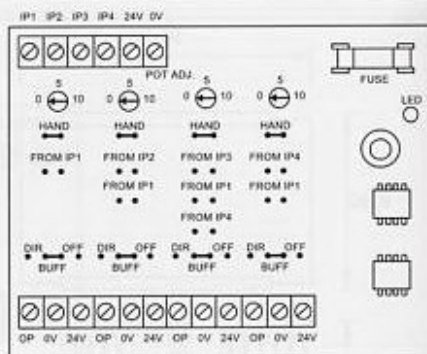
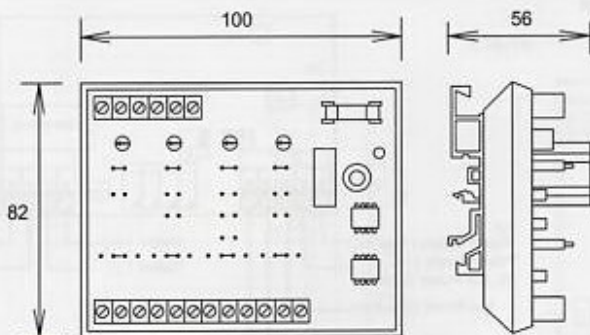
Applications include - Manual adjustment of the 0-10vdc signal potentiometer can be used to position actuators etc, providing commissioning test signals, buffering one signal to drive several actuators or buffering four signals to drive four actuators - each of which draws a high input signal current.



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 0.5-2.5mm<sup>2</sup>

Type	Supply ± 10%	Input	Output Direct or Buffered	Ambient Humidity	Ambient Temp °C	Mounting	Protection
<b>ABM4</b>	24VAC/DC	0 - 10 vdc	0 - 10 vdc	0 to 90% non-condensing	0-50	Din Rail	IP00

**DIMENSIONS:**



**INSTALLATION:**

**Selecting Inputs -**

- Each output separate**

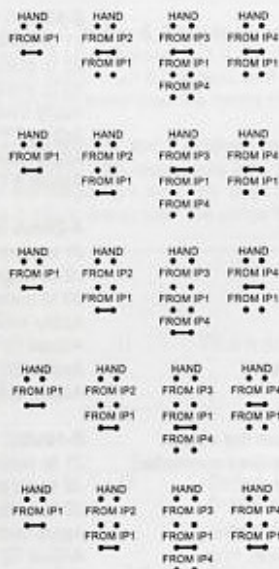
Output 1 linked to input 1  
Output 2 linked to input 2  
Output 3 linked to input 3  
Output 4 linked to input 4
- Two linked, two separate**

Output 1 linked to input 1  
Output 2 linked to input 1  
Output 3 linked to input 3  
Output 4 linked to input 4
- Two sets of two linked**

Output 1 linked to input 1  
Output 2 linked to input 1  
Output 3 linked to input 4  
Output 4 linked to input 4
- Three linked, one separate**

Output 1 linked to input 1  
Output 2 linked to input 1  
Output 3 linked to input 1  
Output 4 linked to input 4
- All linked**

Output 1 linked to input 1  
Output 2 linked to input 1  
Output 3 linked to input 1  
Output 4 linked to input 1



**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.

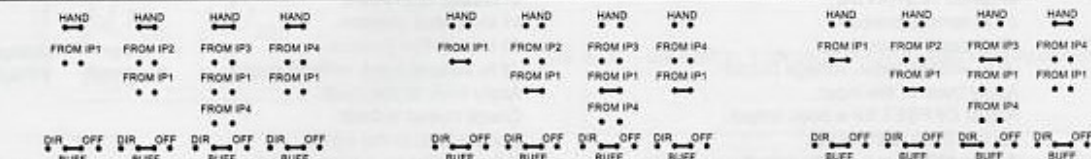
**NOTE -**

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 :**



Each output buffered and adjusted by pot.

All outputs buffered and follow input 1.

Outputs 1 & 2 buffered and follow input 1. Output 3 not buffered and follows input 3. Output 4 buffered and follows pot.