BMB01

Remote I/O Expansion Unit

The BMB01 is an input and output control port (I/O) expander for ASL routers. The ASL VAR and VIPEDIA-12 Routers are able to support the connection of up to 9 remote BMB01 units, connected by a multi-drop RS485 serial interface.

Each BMB01 unit provides the following inputs and outputs to extend the control and interfacing capability of the router:
• 12 analogue inputs
• 12 digital (opto-isolated) inputs
• 12 digital (open collector) outputs

These input and output control ports may be used for functions such as: Program Selection, Volume Control, Fault Input, Routing Control, Routing Reset Input, External Fault Input, and Busy Output.

The BMB01 is housed in a DIN-rail mountable enclosure suitable for use either within a central equipment rack or remotely, at distances of up to 1km from the Router.

For further details please refer to the BMB01 product manual, the DSP Router manual, and the Application Solutions PA/VA Systems Design Handbook or visit www.asl-control.co.uk.

Specification

General

Supply voltage range .... 18 – 40V DC
Current consumption .... 70mA @ 24V DC supply
Open collector maximum rated current 350mA
Open collector maximum voltage 60V
Analogue input voltage range .... 0 – 5V (nominal)
24V max without physical damage
Digital input voltage range .... 12 – 48V

Dimensions and Weight

Dimensions (H x W x D) .... 105mm x 156mm x 58mm
Weight 300g

Environmental

Temperature (storage and operating) .... −5°C to +50°C
Humidity range .... 0% to 93% Non-condensing

CE

This equipment is designed and manufactured to conform to the following EC standards:

EMC   EN 55103-1 Environment E1, EN 55103-2 Environment E5

Safety   EN 60065

Failure to use the equipment in the manner described in the product literature will invalidate the warranty.

A 'Declaration of Conformity' statement to the above standards, and a list of auxiliary equipment used for compliance verification, is available on request.

QUALITY ASSURED FIRM
CERTIFICATE NUMBER 96-LON-AQ-041