

TECHNICAL OVERVIEW

A BIOMOD is an expansion module which can occupy positions on the RS485 bus of the sub-network managed by an MF1000. The main function of the BIOMOD is to provide digital/accumulator inputs to the system and on/off switching outputs to control pumps, fans and other on/off devices.

Although managed by the MF1000 the BIOMOD module is semi-intelligent allowing it to carry out certain functions, such as time delays on start-up and local interlocking between inputs and outputs, independently of the MF1000.

FEATURES

- Limited fail safe interlocking
- Limited local override facilities
- Failsafe condition in the event of comms failure
- On board timer for soft start delays/timing functions
- DIP switches for bus address/configuration settings
- Soft settings retained
- BIOMOD-4 has 2 pulse counting inputs
- BIOMOD-4P has 4 pulse counting inputs

SPECIFICATION

Power Supply:	22v...33v DC or 18v...24v AC 50Hz. With all output relays energised the FLC is approx 110mA
Configuration:	A PCB card designed for mounting onto a DIN rail or back plate of a control panel
Dimensions:	202mmx120mmx35mm
Digital Inputs:	8 – Must be volt free for monitoring or meters (4 max)
Digital Outputs:	8 – SPDT output relays, contacts/track rated 8/10 amp 230V AC resistive
Electrical:	Screened cable for all Digital Inputs earthed at the controller end only
Connections:	2.5mm ² pluggable terminals
Communications:	RS485 bus to MF1000 – 3 core screened cable
Country of Origin:	UK
Product Code:	BIOMOD-4 / BIOMOD-4P

SUPPORT

Technical Support:	Yes
Spares:	In stock

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AMBIFLEX DATA SHEET:

**BIOMOD
MF1000 Expansion Module**