



## Product Overview

The AX-FRM3-230-BR is an interlocked, three relay module. Intended for use as a fan speed switch, the unit can be used to change fan speeds on fan motors with multi-tapped windings and also transformer speed controlled motors. The 'change-over' design of the relay contact configuration and common switching point ensure that the only one set of contacts is active at any one time, thus preventing short circuits. Input voltage for the relays is 230Vac.

## Features

- Interlocked relays allow only one output on at a time
- 230Vac Inputs
- DIN rail enclosure
- Switches up to 12 Amps

## Product Specifications

Inputs:	230V~ 50/60Hz $\pm 15\%$
Outputs:	Common and 3 volt-free contact switched outputs
Contact Rating:	12A @ 250Vac resistive (max. 5A inductive)
Terminals:	Rising clamp for 0.5-2.5mm <sup>2</sup> cable
Ambient Temperature:	0 to +50°C 0-95% RH (non condensing)
Dimensions:	68mm x 82mm x 49mm
Weight:	100grams
Country of Origin:	United Kingdom

## Order Codes

AX-FRM3-230-BR Fan speed relay module, 230Vac inputs, DIN rail mounting

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**Annicom Ltd**

Unit 21, Highview, Bordon, Hampshire. GU35 0AX

Tel: +44 (0)1420 487788 Fax: +44 (0)1420 487799

Email: [sales@annicom.com](mailto:sales@annicom.com) Website: [www.annicom.com](http://www.annicom.com)

### Installation

The AX-FRM3-230-BR module should be installed by a suitably qualified technician in conjunction with any guidelines for the equipment it is to be connected to and any local regulations. Field wiring should be installed to satisfy the requirements set out by the manufacturer of the equipment that the module is being connected to.

### Connections

Ensure that the input voltage is 230Vac.

If more than one fan speed becomes live simultaneously, the highest fan speed will have precedence.

Connections for a fan motor with multi-tapped windings: Connect the 'Output Common' terminal to the live supply, and then connect the fan windings to the relevant Output Low, Medium and High terminals.

Connections for the transformer based speed control: Connect the transformers windings to the relevant Output Low, Medium and High terminals and connect the 'Output Common' terminal to the fan live supply.

### Datasheet Contents

Every effort has been taken in the production of this data sheet to ensure accuracy. Axio do not accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Axio has a policy of continuous improvement and reserves the right to change this specification without notice.

