



Product Overview

The AX-FRM3 comprises of a bank of three relays designed primarily for use as a fan speed switch. The design of the unit allows it to change fan speeds on fan motors with multi-tapped windings and also transformer speed controlled motors. The “break before make” design of the relay contact configuration and common switching point ensure that only one set of contacts is active at any one time preventing short circuits. The standard unit is powered by 240Vac but other variants are available on request.

Features

- Designed for fan switching applications
- Fits to standard DIN rail.
- Different relay coil voltages available
- Switches up to 12Amps

Product Specifications

Inputs:	240Vac or 24Vac
Output :	Common and three switched outputs. (VFC)
Contact Rating:	12A @250Vac resistive (inductive current depends on load)
Terminals:	Rising Clamp for 0.5-2.5mm ² Cable
Ambient Temp:	0-50°C
Dimensions:	47 x 77 x 49mm (max.)
Country of Origin:	United Kingdom

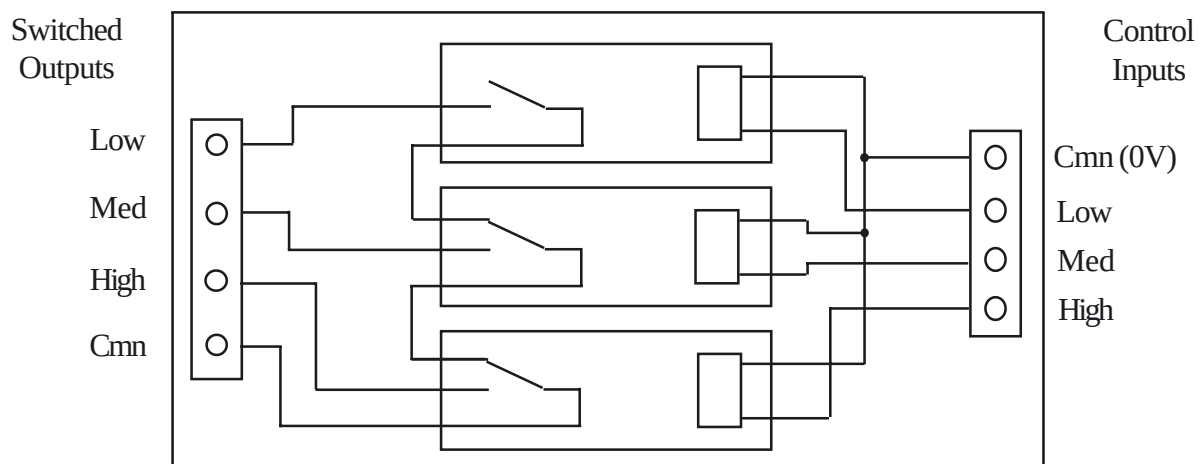
Order Codes

AX-FRM3-230	-	Fan Speed Relay Module 230Vac
AX-FRM3-24	-	Fan Speed Relay Module 24Vac

Installation

The module is designed to be housed within a control panel and should only be installed by a suitably qualified technician. The module can be clipped to standard “top hat” profile DIN rail by locating the top lip of the carrier on the rail and snapping it into place.

When connecting the wiring to the unit, care must be taken not to overtighten the terminals. Cables should be connected as follows:



Electrical Connections

Wiring to the input terminals is the same for all modules. Ensure that the voltage is correct for the AX-FRM3 in use (240Vac Standard). If more than one fan speed becomes live simultaneously, the highest fan speed will have precedence.

When connecting a fan motor with multi-tapped windings, the live supply to the motor should be connected to the “Cmn” terminal and the corresponding fan speed wiring connected to each of the speed terminals. When connecting the module to a transformer based speed control, the process is reversed and the transformer speed wiring is connected to the speed terminals whilst the “Cmn” terminal connects to the fan live supply.