

Product Overview

The compact Axio AX-FC fan speed controller provides stepless speed regulation of single phase AC motors. The unit offers several voltage and current control input options combined with a fan off function. The unit is designed for panel mounting. A stand alone version is available with integral fan speed potentiometer.

Features

- Flexible control input selection
- Fan off function
- 230Vac powered
- Minimum and maximum speed adjustment
- 10 volt output for potentiometer
- Panel mounting
- Stand alone version - P

Product Specifications

Supply Voltage	210 to 250Vac 50Hz
Control Signal (Not -P)	Voltage: 0-10V or 2-10V. Current: 0-20mA or 4-20mA
0-10V Input Current	1mA maximum
Maximum Output Current	8 Amps
Start Up	Soft start
Minimum Speed Adjustment	0% to 40%
Maximum Speed Adjustment	60% to 100%
Fuse Size	-4 4 Amps, -8 8 Amps
Terminals	Rising clamp for 0.5-2.5mm ² cable
Dimensions	83(W) x 37(H) x 74(D)mm, -P version 83(W) x 54(H) x 74(D)mm
Weight	220gms
Ambient Temperature	0°C to 40°C (See Dimensions and fixings)
Country of Origin	United Kingdom

Order Codes

AX-FC-8	8A Fan Speed Controller, soft start
AX-FC-8H	8A Fan Speed Controller, hard start
AX-FC-4P	4A Fan Speed Controller, stand alone
AX-FC-8P	8A Fan Speed Controller, stand alone

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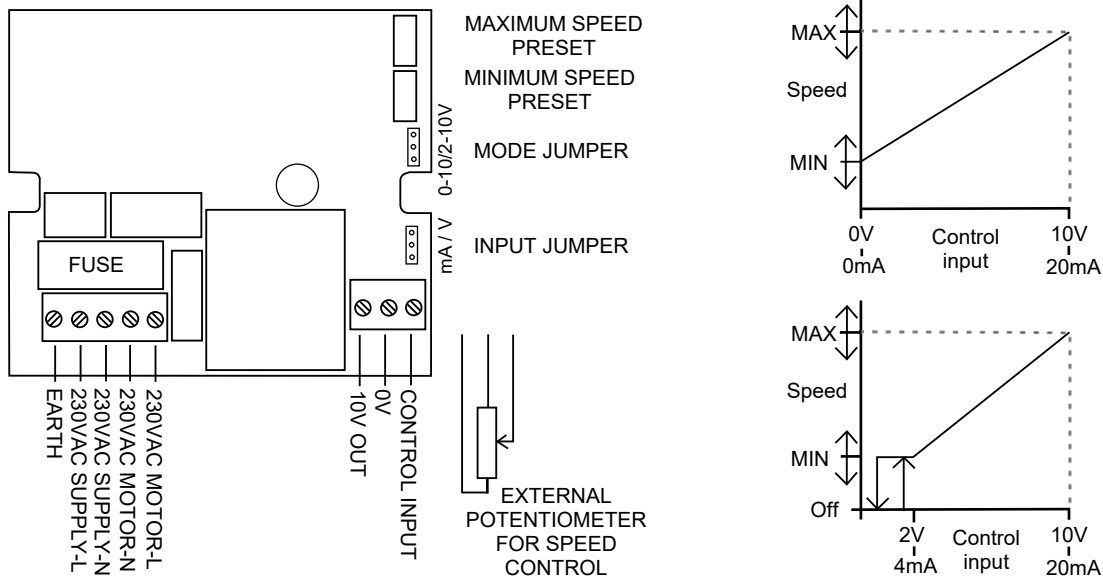
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Installation

The AX-FC should be installed by 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.

Description and Connections

The AX-FC fan speed controller provides stepless speed regulation of single phase AC motors. The Input jumper sets the unit up for voltage or current control input and the Mode jumper selects between 0-10V/0-20mA and 2-10V/4-20mA control signals. The minimum speed preset sets the fans speed at the bottom end of the input range (Idle speed) and the maximum speed preset sets the fan speed at the top of the input range. With the Mode jumper set for 2-10V/4-20mA the fan will automatically switch off when the input falls below 0.5 volts / 1mA (Approximately) and switches on when the input rises above 1.5V / 3mA (Approximately). The unit has a soft start to prevent any sudden speed changes reducing stress on the fan. The AX-FC has a fixed 10 volt output for connection to an external potentiometer providing a stand alone fan speed control solution.

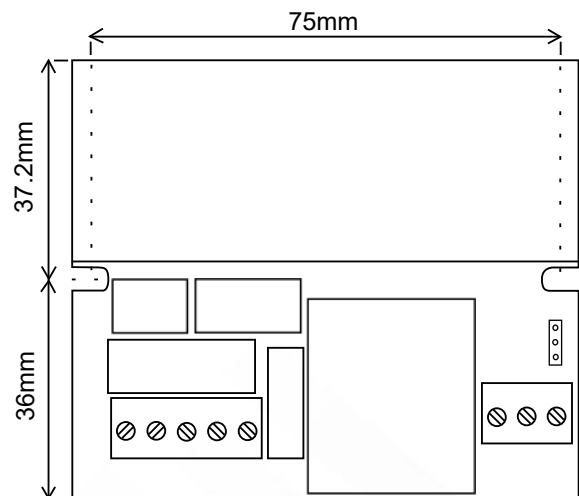


Datasheet Contents

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Installation

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The unit should be installed in a ventilated location. A 25mm clearance should be allowed on all sides of the unit. The unit should be fixed using 3mm diameter screws.

Stand alone setup -P version

Turn speed control potentiometer to min and adjust MINIMUM SPEED PRESET for required minimum speed. Turn speed control potentiometer to MAX and adjust MAXIMUM SPEED PRESET for required maximum speed.

