
8A Fan Speed Controller

FSC-8

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Description:

The compact FSC-8 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.

Features:

- Flexible control input selection
 - Fan off function
 - 230Vac powered
 - Minimum and maximum speed adjustment
 - 10 volt output for potentiometer
 - Panel mounting
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Technical Specification:

| | |
|--------------------------------|---|
| Supply Voltage: | 210 to 250Vac 50Hz |
| Control Signal Voltage: | 0-10V or 2-10V |
| Control Signal Current: | 0-20mA or 4-20mA |
| 0-10V Input Current: | 1mA maximum |
| Maximum Output Current: | 8 Amps |
| Start Up: | Soft start |
| Min. Speed Adjustment: | 0% to 40% |
| Max. 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, |
| Weight: | 220gms |
| Ambient Temperature: | 0°C to 40°C |
| Country of Origin: | United Kingdom |

Installation:

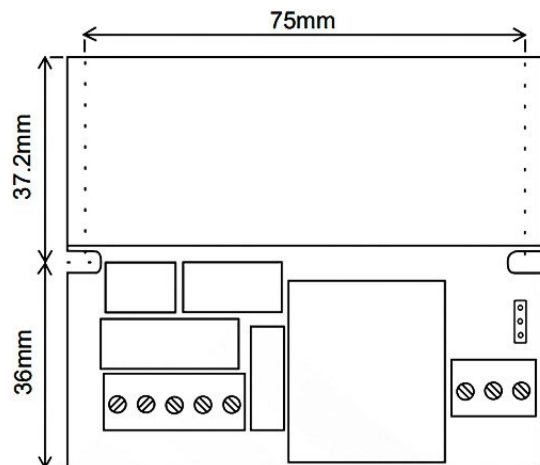
The FSC-8 should be installed by suitably qualified technician in conjunction with any guidelines for the equipment it is to be connected to and any local regulations. Field wiring should be installed to satisfy the requirements set out by the manufacturer of the equipment that the module is being connected to.



Datasheet Contents:

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

Dimensions:



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.

Product Code:

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Description and Connections:

The FSC-8 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 FSC-8 has a fixed 10 volt output for connection to an external potentiometer.

