

INSTALLATION AND OPERATING INSTRUCTIONS FOR FAN SPEED CONTROLLER EFSC010 RANGE

Specification

Model no.	Electrical supply	Current Rating	Dimensions (H x W x D)	Mounting
EFSC6-010	230v 1Ph 50Hz	6A max	197mm x 147mm x 79mm	Surface
ESC10-010	230v 1Ph 50Hz	10A max	255mm x 200mm x 98mm	Surface
EFSC12-010	230v 1Ph 50Hz	12A max	255mm x 200mm x 98mm	Surface

Features

- On/Off control facility via external switch or volt free contacts within BMS
- Local control facility via remote speed adjustment station (Optional extra)
- Minimum and Maximum level adjustment
- Auxillary 230v output for 3 wire control if required

Installation

Check that the speed controller supplied is compatible with the fan.

Install in a dry sheltered position. Do not install in close proximity to a heat source.

Remove the front cover of the controller by unscrewing the fascia fixing screws. This provides access to mounting holes and electrical terminals.

All wiring must be carried out by a suitably qualified and competent person and comply with current applicable regulations

Operation

0-10vdc input control

If an external switch or BMS contacts are connected to terminals 4 & 5 the fan will be enabled when the switch/contacts are closed. If neither an external switch or BMS contacts are used then terminals 4 & 5 are to be linked and the fan will start when the electrical supply to the controller is present.

The fan speed is dictated by the input on terminals 10-11

The fan speed will increase from minimum to maximum speed as the 0-10v dc input increases I.E. 0v= minimum speed, 10v = maximum speed.

Remote speed adjustment station control

When used with the remote speed adjustment station the fan will start when the switch is turned on and rotating the dial clockwise will increase the fan speed.

Minimum speed adjustment

The minimum speed can be adjusted using the pre-set trimmer VR2

Wiring diagram

