

INSTALLATION AND OPERATING INSTRUCTIONS FAN STARTER & CURRENT SENSOR FSCS1,2,3

Model no.	Electrical Supply	Current rating	Dimension (H x W X D)	Mounting
FSCS1	230v 1Ph 50Hz	0.5A max	125mm x 90mm x 60mm	Surface
FSCS2	230v 1Ph 50Hz	1.2A max	125mm x 90mm x 60mm	Surface
FSCS3	230v 1Ph 50Hz	10A max	170mm x 122mm x 55mm	Surface

FSCS Connections

- Electrical supply: 230v 1Ph 50 Hz
- Fan motor: 230v 1Ph 50Hz
- BMS contacts/external switch
- Fan fail status output

Installation

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

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

Wiring diagrams configuration

Wiring diagram 1

Refer to diagram 1 when the fan is to be enabled when the electrical supply to the FSCS is enabled. When wired in this configuration the fan will run when the electrical supply to the FSCS is enabled. If after the electrical supply to the FSCS has been enabled there is no current flow present then the fan fail status output will be enabled (normally open contacts will close)

Wiring diagram 2

Refer to diagram 2 when the fan is to be enabled when BMS contacts or external switch close. When wired in this configuration there is a permanent electrical supply to the FSCS and the fan is enabled when the BMS contacts/external switch close. If after the BMS contacts/external switch close there is no current flow present then the fan fail status output will be enabled (normally open contacts will close)

NOTE: WHEN USED IN CONJUNCTION WITH EC MOTORS USE MODEL FSCS3 ONLY AND THE SPEED SETTING MUST NOT FALL BELOW 50% I.E. THE ANALOGUE INPUT VOLTAGE APPLIED TO THE 0-10V INPUT TERMINAL MUST NOT FALL BELOW 5V OTHERWISE THE FSCS1 WILL NOT FUNCTION CORRECTLY

Note

The FSCS1 output to the BMS enable/switch contacts is 230v ac and therefore the BMS/switch contacts must be 230v ac rated and suitable cabling must be used.

