

Installation instructions for Davies, Craig electric fans

Orientation

All the fans are assembled in a “pusher” configuration. This means that the fan must be mounted up-stream (in front of the radiator). To change to “puller” configuration the blade must be turned around and the polarities reversed.

Direction / Polarities

Please note that the recommendation below is not always valid as the blue and black wires might sometimes be reversed in the factory. So please check whether the flow direction is correct before installing the fan.

For “pusher” configuration the black wire is positive.

When looking at the blade with the motor behind the fan, the blade must be turning anti-clockwise.

For “puller” configuration the blue wire is positive.

When looking at the blade with the motor behind the fan, the blade must be turning clockwise.

Controlling the fan

If the electric fan replaces a viscous or fixed fan, a thermal switch will be required to control the fan. This is not supplied with the fan. An adjustable (40 – 100°C) thermal switch kit is available. It includes a relay, wiring, fuse and installation instructions. When fitting a thermal switch ensure that the temperature is higher than the thermostat’s temperature – about 5 to 10°C. Also ensure that the thermal switch is fitted on the “hot” side of the radiator.

Installation

The fan is mounted onto the radiator or condenser using the quick fit kit supplied with the fan. The 16” fan requires the mounting bolt kit. Remove the cowling of the viscous fan. The electric fan must fit directly onto the core and must not be larger than the core of the radiator.

For the 8”, 9”, 10” and 12” fans fit a 15 amp fuse.

For the 14” fan a 20 amp fuse will be required.

For the 16” fan a 30 amp fuse will be required.