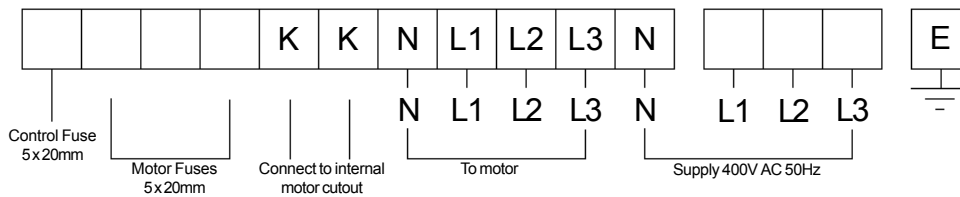


INSTALLATION AND COMMISSIONING INSTRUCTIONS

SPECIFICATIONS

The SC310 and SC310-E controller provides manual speed control of some direct drive 3ph fan motors in our GZ fan, Axial fan and Myflo fan ranges. See installation instructions below for important wiring information.

Maximum ambient temperature 30°C
 Input voltage 400 VAC + 10% 50Hz. 3 Phase **plus neutral**
 Maximum load 8A
 Maximum temperature on any mounting surface 35°C
 Output voltage 0-400 VAC 50Hz, 3 phase **plus neutral**
 Circuit control fuse 2A (20mm)
 Enclosure, powder coated steel
 Enclosure protected to IP44 when fully installed.



The **SC310** speed controller knob incorporates an on/off switch for the fan. On the **SC310-E**, which is used for fans with electric heaters, the on/off switch is omitted to prevent the fan being switched off when the heater is on. The fan switch should be on the main controller and include a run-on facility.

INSTALLATION

In all cases the motor must be wired in star and a neutral cable *must* be installed between supply and speed controller and between speed controller and fan star point.

When retro-fitting a controller you should have the correct fan wiring information to check the installed fan.

All installations must be carried out to ensure compliance with Health and Safety at Work Act and all other applicable regulations.

The control is suitable for internal mounting and must only be fitted in a safe position where it is not in contact with any moisture, chemicals or solvents.

The controller is fitted with 10 Amp output fuses as standard. Ensure motor overload protection (by others) is installed.

Install the wiring using appropriate cable glands, and ensure that the cables are clamped where necessary.

Carry out electrical safety for earth continuity to front plate, and insulation resistance measurements, and record results.

Check that fan is correctly installed and that the local isolator is on. Set the control to minimum. Turn the supply on. **The fan should run at minimum speed but no lower than 130v phase to neutral.**

If necessary the minimum speed can be adjusted by the small adjustment potentiometer P4 located on the PCB. Ensure isolator is off before carrying out any adjustment. Once this is complete, adjusting the main control knob should vary the fan speed.

Ensure the end user is aware of the correct usage of the fan, and controller.



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