

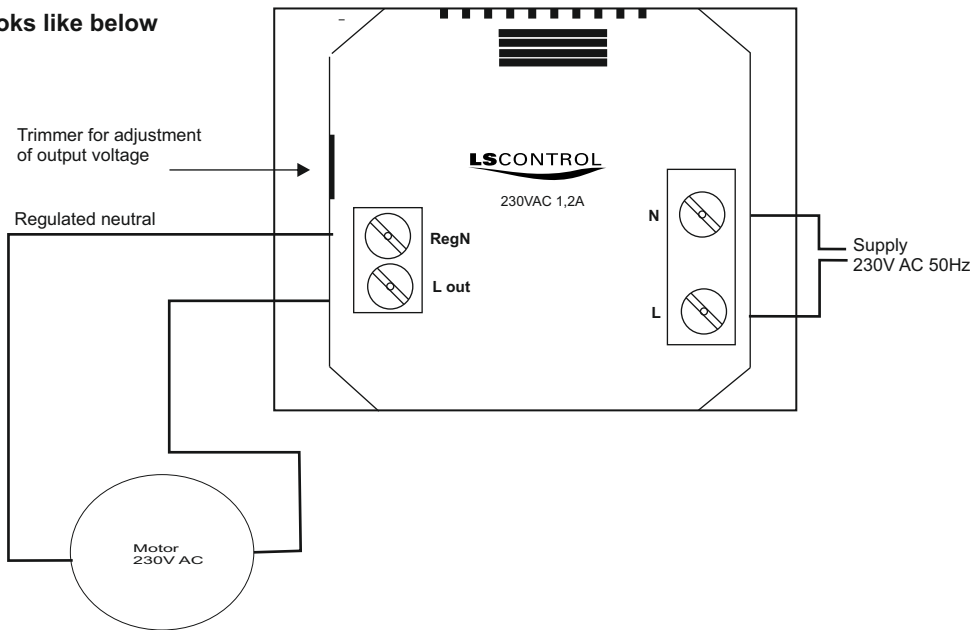
SpeedControl 12 / ES 964

Manual Controller with Switch 1,2 A

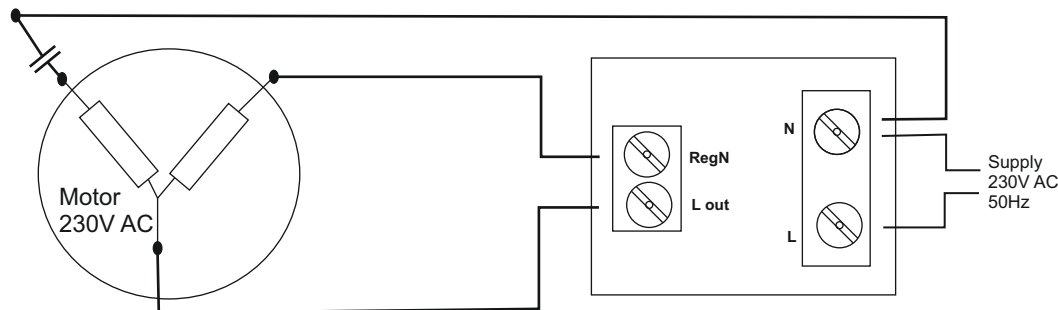
Connection diagram:

Single phase motors with capacitor and capacitor windings are specially manufactured for adjustment. There are two windings in the motor. One operating winding (main) and one start winding (aux). For connection of motor the instructions from the manufacturer should be followed.

Standard connection often looks like below



Alternative connection which may change the motor sound



Technical data :

Supply:	230 V AC, 50/60 Hz
Mains fuse:	max. 13A
Load:	max. 1,2A
Internal fuse:	T1,25 A
Enclosure:	IP 20
Dimensions (HxWxD):	85 x 85 x 33 mm
Op. temperature:	0-40 °C non-condensing
Output Voltage:	80-225V +6% -10%
Adjustment of minimum:	80-170V +6% - 10%

Description:

The controller is intended for fan motors. However, it is also suitable for adjustment of transformers or lighting. The controller principle is leading edge.

For the best adjustment result, adjustable fan motors are recommended.

The motor speed is a result of the load on the motor shaft and the voltage supplied by the controller. If the ventilation plant is not dimensioned correctly either with too small ducting or too big motor, the motor will typically be operating at full speed.

Adjustment:

The ES 964 is supplied from the factory with a preset minimum output voltage of 80V AC.

When adjusting the minimum voltage, the button on the front panel must be turned to minimum. Now the minimum trimmer can be adjusted. Once the minimum voltage has been adjusted, check that the connected equipment is able to start as expected, also after a power cut.

Note!

A motor which is running is easier to keep running than it is to start. If the motor is exposed to a high counter pressure, the minimum should be set at a higher level to ensure that the motor starts up in all situations.

As the power supplied may vary over a 24 hour period, it is recommended that the minimum voltage is set at slightly higher level than the actual minimum voltage level.

Mounting:

The controller should be mounted in the supplied mounting base or in a suitable box for bricking.

Drawing:	950-205802 SpeedControl 12 E_ES964_UK
Rev.:	2.2
Date:	08/01-2024
Drawn by:	SP / df
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