

UT150/SC

The UT150/SC features four speed settings and is supplied complete with fixing brackets, rubber couplers and anti-vibration connectors.

FUNCTION

The centrifugal in-line fan UT150/SC fan is used as an under-floor extract and ventilation system designed to remove gas from underneath the floor of a house and vent into the atmosphere through a pipe.

There is a calibrated scale on the integral fan speed controller 25,50,75 and 100%. It is usual to set it at 50% for levels of approx. 200 plus Bqs up to approx. 1500bqs. The lower and higher settings are generally for use after a re-test or if the levels are exceptionally high.

Avoid installing the fan on an occupied bedroom wall if running the fan at over 50% motor speed.

SPECIAL FEATURES

- IP rated box for speed controller and fused socket
- IP65 rated for external use
- Thermal overload protection
- Anti-vibration flexible connectors

GENERAL

- Robust non-corrosive casing
- Ball bearing motor

BENEFITS

- Easy to install
- Low noise
- Excellent for long duct runs
- Can be installed horizontally or vertically

SAFETY RECOMMENDATIONS

The fan conforms to the requirements according to the EU norms and directives.

Precautions must be taken to avoid the back-flow of gases (gas spillage) into the room from open flues to gas appliances or open-fires. This includes locations close to landfill sites (a methane test can be carried out to ascertain if installation is possible).

Installation and connection of the fan should be done by skilled electricians in compliance with the relevant required documents.

Do not carry out any maintenance or repairs to the fan unless the power supply has been disconnected. Prior to connecting the fan to the power supply it is necessary to make sure that there are no visible faults on the rotor, case, grid and that there are no foreign items in the airflow part of the case, which may damage the rotor blades.

CAUTION:

Do not use the fan in highly explosive environments.

CONNECTION TO POWER SUPPLY (Speed controller diagram separate)

1. The fan must only be connected to single phase circuits
2. Make the wiring connections as indicated (Fig. 1)
3. The position of the fan must comply with the direction of the arrow on the fan casing.
4. Attach the brackets to the case.
5. Mount the fan to the wall using the anti-vibration connectors.
6. Connect the fan to the pipe work using the rubber couplers supplied with the fan.

PLEASE ENSURE THE CASING COVERING THE SPEED CONTROLLER IS PROPERLY SEALED AS WATER INGRESS CAN OCCUR AND WILL INVALIDATE ANY WARRANTY OR GUARANTEE.

MAINTENANCE

The power supply to the fan must be disconnected before any maintenance work is under taken.

WARRANTY

The UT150/SC has a three year warranty effective from the date of purchase, provided it has been installed according to the instructions supplied with

the unit, it has not been connected to an unsuitable power supply and it has not been subjected to misuse. If any part is found to be defective please contact your supplier/installer. Return carriage is the responsibility of the buyer. If it should become necessary to return a faulty unit please contact our office.

Please provide the following information:

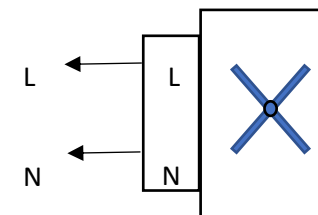
Model Type:.....

Voltage:.....

Date of Purchase:.....

Invoice Number:.....

Fig 1



Please note: the above information is for guidance only. If you have any queries regarding the above please contact us on our Helpline 01823 690290

Speed controller (MR1)

Surface mounting

Break mains voltage. Mount surface mounting case to the wall

Together with included grommets. Connect according to diagram.

Mount inner case in surface mounting case with included screws.

Turn on mains voltage and controller. Adjust min speed and Turn off controller. Mount cover with nut to surface mounting case.

Push knob in place at off position. When needed, a 5mm hole for condensation

Is to be drilled at the bottom of the surface mounting case.

Adjustment

Note! Trimmer (min) is adjusted so that the motor does not stop due to variations of mains voltage and that it restarts after power failure. (v conn 2): extra connection to, for example, damper or use as inlet to the controller without bypassing breaker of turning knob.

Connections

1. Power supply 230vac, 50hz
2. 230 vac not regulated output for connection lamp, valve, and dampers. Or three wire motor connection: branched off after switch (imax:2A) input; to bypass switch
- N. Neutral
3. Regulated output to motor
4. Fuse holder with spare
5. Min speed adjust trimmer

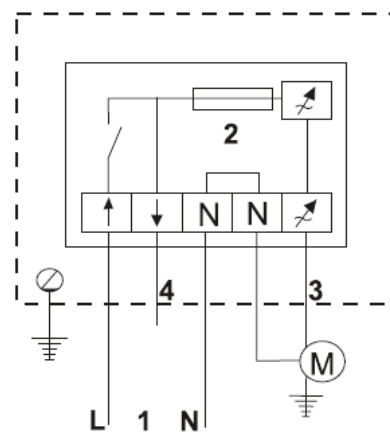
Faulty operation

Please check that: Right voltage is applied. All connections are correct.

The machine to be regulated is functioning. The fuse in the fuse box is ok.

The fuse in the controller is ok.

Wiring diagram:



1. - Mains connection: 230 Vac, 50 Hz.
2. - Fuse-box with spare fuse (Fast, ceramic)
3. - Regulated output to motor.
4. - Non regulated output 230 V, or as inlet to controller without bypassing breaker of turning knob.