



The electrical equipment contained in this box should not be disposed of in unsorted municipal waste but collected separately. This is intended to reduce the impact on the environment by minimising the level of waste generated at the end of a product's useful life by increasing the percentage of material recovered and recycled.

## Micro 400 HT/HS Extract Fan with Humidity Sensor & Timer or Humidity Sensor & Pullcord



### Installation and Operation Instructions

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**FERROB**  
ENVIRONMENTAL SYSTEMS

# INSTALLATION

## THROUGH A WALL

1. It is recommended that the unit is installed not less than 1.75m from the floor and is not installed directly above a heat source. i.e. radiator etc.
2. Cut a 107mm diameter hole in the wall ensuring that the hole slopes slightly to the outside to prevent any water from running back into the sleeve.
3. Fit the plastic wall sleeve and drill, plug and screw the body of the fan into position ensuring that the sleeve is fitted over the fan spigot.
4. Place the external grille into position and then drill, plug and screw into place.

## THROUGH A WINDOW

1. It is recommended that the unit is installed not less than 1.75m from the floor and is not installed directly above a heat source. i.e. radiator etc.
2. Cut a 125mm hole in the glass. (Double glazed windows will have to be replaced with the hole pre-cut by the window manufacturer.)
3. Using suitable screws, fix the fan body and the external window grille together ensuring that the rubber gasket supplied is fitted around the edges of both the grille and fan body.

## THROUGH A CEILING

1. Cut a 107mm hole in the ceiling ensuring that the hole is central between joists.
2. Using suitable fasteners, fix the fan body into position over the hole.
3. Affix the ducting to the fan spigot.
4. Connect the other end of the ducting as required to a suitable outlet. (soffit grille etc)
5. Ferrob Ltd also recommends the fitting of a condensation trap when connected to a vertical run of ducting.

## ELECTRICAL CONNECTION

All wiring must comply with the latest edition of the IEE wiring regulations. If in any doubt, contact a registered or approved electrician.

**A means for disconnection from the supply having a contact separation of at least 3mm in all poles must be incorporated into the fixed wiring.**

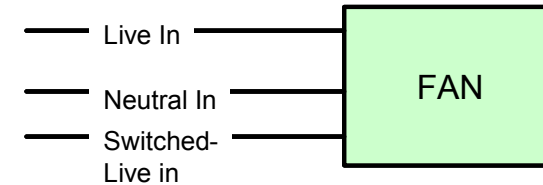
The unit is rated at a maximum power consumption of 20watts.

# OPERATION

THE SENSORTRONIC 400 MICRO EXTRACTOR FAN IS FITTED WITH A HIGHLY SENSITIVE HUMIDITY SENSOR DESIGNED TO AUTOMATICALLY CONTROL CONDENSATION IN YOUR HOME.

1. When the power supply to the unit is switched on the fan is immediately ready to sense humidity levels.
2. When the level of humidity being detected rises above the pre-set Relative Humidity level of 65%, the fan will start to run. Should your property have a severe condensation or humidity problem, it is normal operation for the fan to run for long periods until the level is brought down below the Relative Humidity pre-set level of 65%.
3. On model HS, by gentle use of the pullcord, the fan can be made to run at times when it is not running on humidity.
4. On model HT, when the light is activated, the unit will run after 2 minutes and will continue to run after the light has been switched-off for 15 minutes.
5. By using Ferrob model 1500 hand held monitor, the humidity level being sensed can be read.

### Wiring Diagram for Micro 400HT



### Wiring Diagram for Micro 400HS

