



1. 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.
2. The humidity set-point has been factory set to start the fan when the humidity level reaches 65% RH and should not be adjusted.
3. When using the Over-run Timer function this has been set within the factory to give an over-run time of 15 minutes.
4. This is adjustable by adjusting the small potentiometer mounted on the printed circuit board inside the front panel. (marked Timer)
5. Moving the pot fully anti-clockwise will give a time of 3 minutes whilst moving it fully clockwise will give 30 minutes.

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Digital 400 HT/HS Low Voltage Extract Fan with Humidity Sensor & Timer or Humidity Sensor & Pullcord



Installation and Operation Instructions

FERROB
ENVIRONMENTAL SYSTEMS

INSTALLATION

IN ALL CASES, THE TRANSFORMER UNIT MUST BE INSTALLED OUTSIDE OF THE WET ROOM. THE FAN UNIT IS SUITABLE FOR INSTALLATION ABOVE A BATH OR SHOWER CUBICLE

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 the window kit (available separately) fix the kit to the window by screwing the internal mounting plate to the external grille ensuring the rubber gasket supplied is fixed around the edges of both the grille and plate. The fan can then be fixed to the mounting plate.

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 DIGITAL LV EXTRACTOR FAN IS FITTED WITH A HIGHLY SENSITIVE SELF-CLEANING HUMIDITY SENSOR DESIGNED TO AUTOMATICALLY CONTROL CONDENSATION IN YOUR HOME WHILST OPERATING AT EXTRA LOW VOLTAGE TO MINIMISE THE RISK OF ELECTRIC SHOCK.

1. When the power supply to the unit is switched on, the integral display will show CL which signifies that the unit is carrying-out a cleaning cycle. The unit will remain in this mode for approximately 5 minutes will have a cleaning cycle every hour.
2. After this time, the display will change from CL to show a reading of the humidity that is being detected by the sensor.
3. When the level of humidity being detected rises above 65 on the display, 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%.
4. By gentle use of the pullcord (if fitted), the fan can be made to run at times when it is not running on humidity. At these times, the display will show PC.
5. If the display shows LO, this indicates that the unit is adjusting its set-point due to a low temperature average. The fan will operate normally in this mode.
6. On HT models, 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. During this time, the display will show LI.
7. When using the Over-run Timer function this has been set within the factory to give an over-run time of 15 minutes.
8. This is adjustable by adjusting the small potentiometer mounted on the printed circuit board inside the front panel. (marked Timer)
9. Moving the pot fully anti-clockwise will give a time of 3 minutes whilst moving it fully clockwise will give 30 minutes.
10. The humidity setting has been factory pre-set to bring the fan on at 65% RH and should not be adjusted.

Wiring Diagram for Digital Low Voltage HT & HS

