



Leave these instructions with the user for service and maintenance use.

AEROPLUS 12V

Heat Recovery Unit with Automatic Humidity Control

User's Instructions

Publication No. ZZ 825/2
March 1999

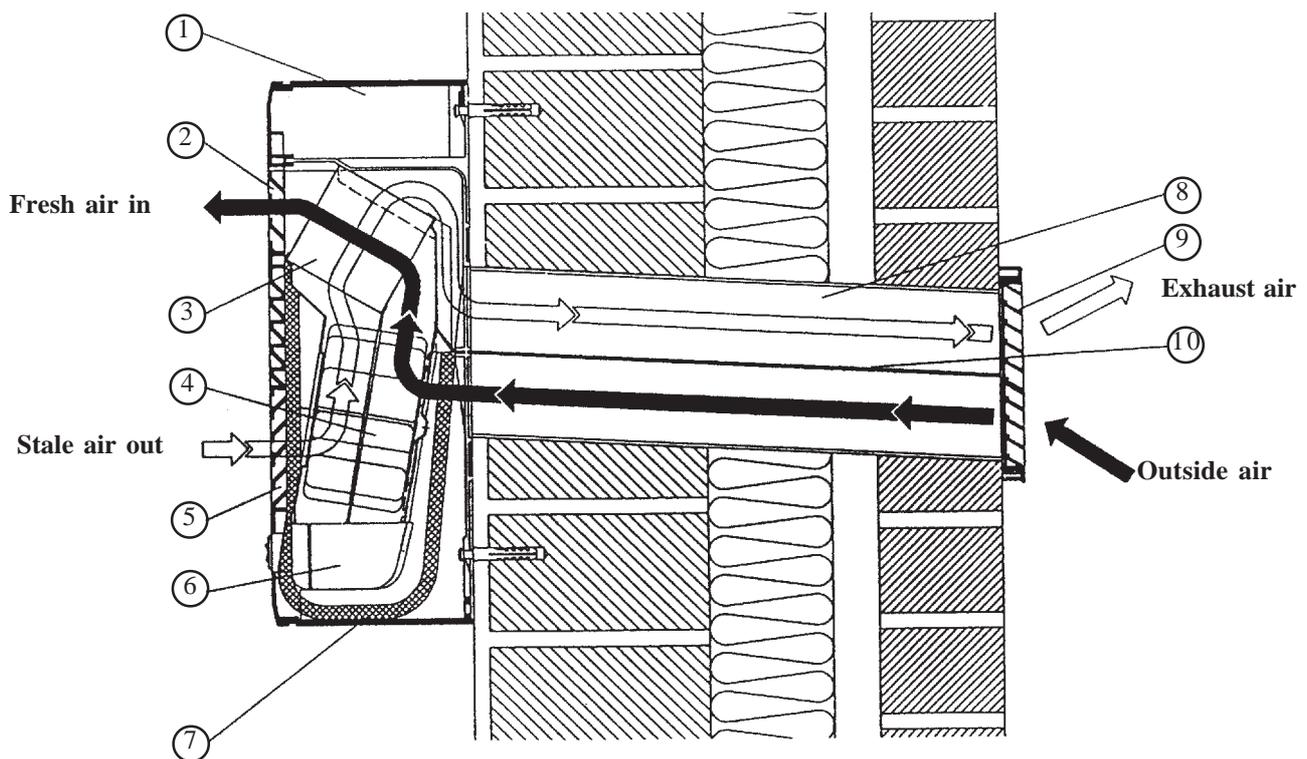
IMPORTANT: This unit should only be installed by a competent person

1. INTRODUCTION

1.1 The AEROPLUS 12V is a ventilation unit which reduces the humidity of the room atmosphere, at the same time recovering heat from the stale air extracted from the room in order to warm the fresh air introduced into the room. AEROPLUS 12V will operate automatically to predetermined humidity and temperature levels.

2. HOW AEROPLUS 12V WORKS

2.1 The fan extracts stale moist air to the outside via the heat exchanger. An equal volume of fresh air is directed into the room via the adjustable nozzles. The incoming fresh air, which is drawn through the lower half of the split duct and filtered within the unit to remove dust and pollen, is tempered by the heat from the outgoing air within the heat exchanger. The stale air passes via the filter and out via the upper half of the split duct. A bypass ensures that there is no condensate developed within the appliance, whilst the lower water content of the incoming fresh air ensures that humidity within the room is reduced.



- | | | | |
|---|--------------------|----|-----------------|
| 1 | Cabinet | 6 | Control module |
| 2 | Adjustable nozzles | 7 | Filter pad |
| 3 | Heat exchanger | 8 | Split pipe |
| 4 | Centrifugal fan | 9 | Weather grille |
| 5 | Front cover | 10 | Central divider |

Fig. 1
Aeroplus 12V

3. **CONTROLS**

- 3.1 **SPEED CONTROL:** This controls the speed of the fan and will have been set during installation, and should only be altered if levels of moisture generation change significantly.
- 3.2 **MODE SWITCH:** For normal use, operate the unit in the 'AUTO' mode, whereby AEROPLUS will automatically respond to changes in room humidity. In conditions of high humidity or condensation, operate the unit in the 'MANUAL' mode.
- 3.3 **ON/OFF SWITCH:** Controls power to the appliance (I=ON, O=OFF).

4. **OPERATION**

- 4.1 The three circular nozzles on the front of the unit are used to direct the warmed incoming fresh air as desired.
NOTE: As stale air is drawn from the room through the lower part of the front grille, the incoming fresh air should not be directed straight downwards in order to prevent 'short-circuiting' the air flow.

5. **MAINTENANCE**

IMPORTANT: Always ensure that the electrical supply to the appliance is switched off before carrying out any maintenance or servicing tasks.

- 5.1 Depending upon the degree of air pollution within the room, the filter screen should be checked on a monthly basis, and cleaned or exchanged if necessary. The filter screen may be brushed or vacuum cleaned, but should NOT BE WASHED.
- 5.2 **Front cover removal:** Carefully depress the 2 small rectangular recesses on either side of the front cover using a screw driver, or similar item to release the front cover, and then remove the cover. Refitment is by positioning the front cover over the unit and then pressing home until the 4 tabs are located.

- 5.3 **Filter removal:** Remove the front cover and withdraw the filter from the front of the unit. To replace the filter, first feed the filter into the slot below the control module until the aperture in the filter is aligned with controls. The 3 upper pad fixing claws retain the filter in position.

6. **CLEANING**

- 6.1 If necessary, the appliance cabinet may be cleaned using a mild soap solution.
DO NOT allow water to enter the cabinet.
DO NOT use abrasive cleaners or strong alkalis, (scouring powder, scouring pads or bleach).

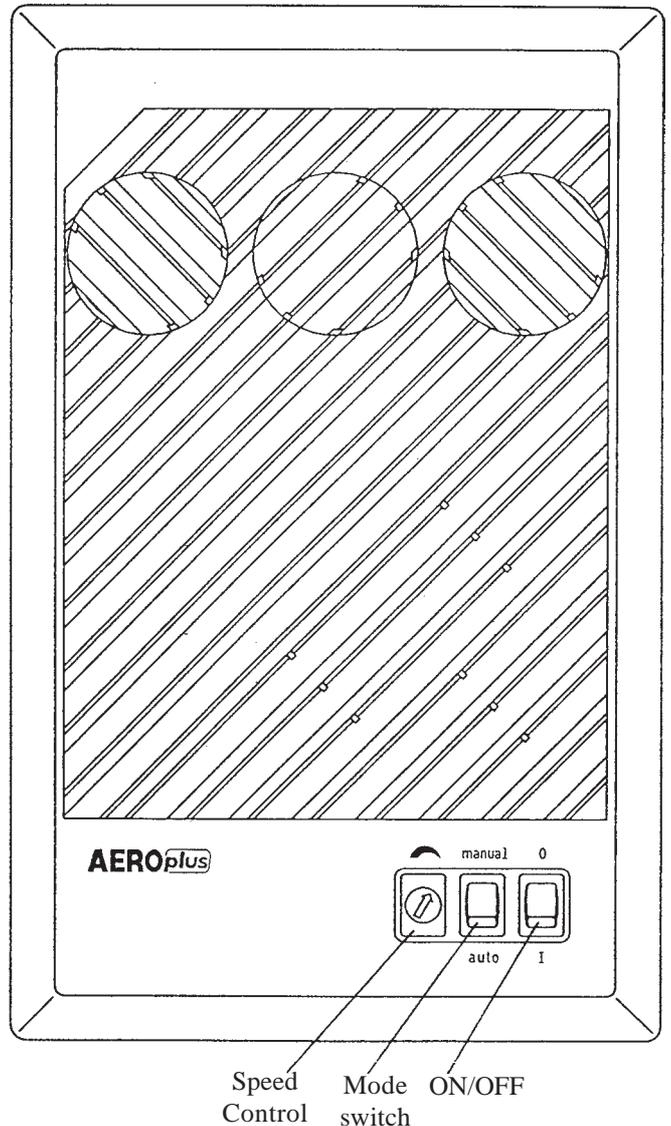


Fig. 2

Johnson and Starley prides itself on its ability to supply spare parts quickly and efficiently. If your service engineer indicates a problem in obtaining a spare part, advise him to contact Johnson and Starley Spares Department at the address below.

Telephone: 01604 762881

Fax : 01604 767408

JOHNSON AND STARLEY Ltd.,
Rhosili Road,
Brackmills,
Northampton NN4 7LZ