

OPERATIONS

TIMER ADJUSTMENT on SDF 100TBLV

Isolate the power supply. Remove the transformer cover. The timer adjustment is clearly marked. Turn the adjuster anti-clockwise to reduce the over-run time and turn clockwise to increase the over-run time. The approximate range of the timer is 2 minutes to 30 minutes.

TIMER ADJUSTMENT on SDF 100HTBLV

Isolate the power supply. Remove the fan cover. The timer adjuster is situated at the right hand side. Turning the adjuster clockwise will increase the over-run time. The approximate range of the timer is 2 minutes to 30 minutes.

HUMIDITY ADJUSTMENT on SDF 100HTBLV

Isolate the power supply. Remove the front cover of the fan and the adjustment of the humidity control is done using a fine tipped screwdriver. Turn adjuster clockwise for less sensitivity and anti-clockwise for increased sensitivity. Adjustment is from 50% RH and the range is approximately 50% to 90% RH. Condensation/Humidity controls are designed to switch an extractor fan on when the room humidity exceeds a pre-set level. In order to achieve this the humid air must invade the sensor housing. This process can take some time and when the room is in use this delay may cause some concern, also the sensor cannot detect smells or smoke. Therefore, we recommend that fans with humidity controls should be wired up with manual (switch live) operation.

FITTING WINDOW FAN (Using SDF901WFK)

1. Cut hole in window 127mm (5")min. size 140mm (5 1/2") max size - this is probably a job for a glazier.
2. Remove the four fan clamp screws holding the inside and outside halves together.
3. Hold the cowl on the outside of the window and insert the fan into the hole from the inside, making sure not to displace the weather seal in the process.
4. Replace the fan clamp screws and tighten evenly.

NOTE: Do not over-tighten as this may break the glass.

MAINTENANCE

Isolate from power supply before commencing work.

TRANSFORMER

Maintenance free but the outer cover may be cleaned with a damp cloth.

FAN

The outside of the unit may be wiped clean with a damp cloth. Once a year the front cover should be removed and the inside dusted with a soft brush.

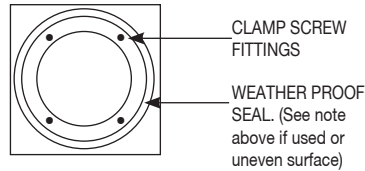
This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

WARNING: Failure to comply with these instructions may invalidate the warranty. If room is fitted with an unbalanced gas appliance, ensure that there is enough replacement air for both gas appliance and extract fan.

CAUTION: Fans incorporating electronic control systems may be damaged if used in conjunction with fluorescent lamps. If in doubt, we recommend you contact our customer services department on 03443 715523.

NOTE:

If the fan unit is fitted to an uneven surface such as fluted glass it may be necessary to use some silicone bathroom sealer to ensure that the discharge cowl is weather-proof.



Transformer

Input 230v AC ~ 50Hz

Output 12v AC ~ 42VA

Fan Unit

DOMUS
VENTILATION

Installation Instructions



SDF100 Low Voltage (SELV) Axial Fans

DOMUS
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SDF 100 Low Voltage Axial Fans

These axial fans are designed for use within bath/shower areas. They are fitted with long life 12V AC motors. The low voltage supply is from a 230V AC +/- 12V AC - Transformer assembly constructed to BS 3535.

SDF 100LV PRODUCT CODES	
Wall/Ceiling Model - Standard	SDF100BLV
Wall/Ceiling Model with adjustable Timer	SDF100TBLV
Wall/Ceiling Model with Humidistat and Timer	SDF100HTBLV
NOTE: TO CONVERT AND INSTALL THE ABOVE MODELS AS WINDOW FANS, WINDOW FIXING KIT SDF901WFK WILL BE REQUIRED.	

INSTALLATION INFORMATION

WARNING : Isolate electricity supply before commencing work

POSITIONING THE FAN UNIT

The fan may be positioned on a wall, ceiling or window. The fan should be sited as high as possible in the room. If fitting in a shower cubicle or over a bath with a shower it must be positioned above the shower head. Model SDF100HTBLV must be positioned in a splash free area as the humidity sensor will be damaged if in direct contact with water. To ensure efficient ventilation it is advisable that the fan unit be fitted as far from the main source of replacement air as possible (e.g. the door). We advise that there be a 15mm gap under the door to allow replacement air to enter the room if no other means is provided.

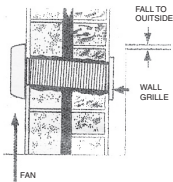
POSITIONING THE TRANSFORMER

The transformer must not be positioned within 1.5metres of a bath or shower. The wiring length between the fan and transformer should be kept as short as possible (should not exceed 9 metres). The transformer should be positioned as high on the wall or ceiling as possible if in the same room as the fan. It is normal for the transformer to get warm when operating, therefore, it is important that air is allowed to circulate around it. The transformer should not be installed in small enclosed spaces. Access must be allowed for servicing and timer adjustment. If installing transformer in roof space it must not be covered with insulation material.

DUCTING

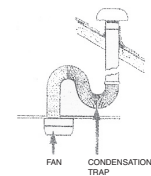
Wherever possible ducting should be of rigid type, flexible duct should only be used for connections. To ensure efficiency keep all ducting runs as short as possible. If ducting is installed in a roof space it should be lagged to reduce condensation within the duct. Horizontal duct should run downwards towards the outside to allow for condensation drainage. Vertical discharge ducting should be fitted with a condensation trap. The SDF100LV fan unit uses 100mm duct. Total duct length should not exceed 2 metres. We recommend a fixed louvre grille be used with these fans (ANC 410/435/436D). Non-return grille may be used but will reduce the fan performance.

MAXIMUM ROOM TEMPERATURE 40°C



FITTING WALL FAN

1. Select a suitable position on the wall for the fan in relation to outside walls, ceilings and roofs keeping the ducting as short as possible - see ducting.
2. Cut a hole in the wall or ceiling to take the rear spigot of fan plus ducting if fitted. Drill and plug the fixing holes.
3. Remove the screw from the front fan casing and take it off.
4. Fasten the fan back plate to the surface. Make sure that the fan is the right way up.

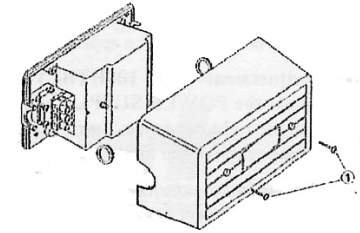


DUCTING

1. Bring the ducting to the chosen locations and trim its ends flush to the surfaces.
2. Note that there are 3 basic types of installation and that condensation drainage should be provided as shown. Ceiling location makes drainage provision essential.
3. A small condensation trap should be made at the lowest point of the ducting. As shown it is advisable to lag duct.

TRANSFORMER INSTALLATION

1. Remove front cover retaining screws.
2. If using rear entry cabling remove knock-outs.
3. If using surface cabling cut suitable hole in sealing grommits.
4. Using the transformer base as a template, mark fixing hole and cable entry positions.
5. Once cabling and resurfacing is complete drill and plug fixing holes.
6. Fit the transformer into position and make power connections as detailed.
7. Re-fit front cover.



WIRING INSTALLATION

WARNING : Isolate Power Supply before commencing work

WIRING REQUIREMENTS FOR DOMESTIC ELECTRIC FANS

It is recommended that the fans be connected into the lighting circuit, with double pole (3mm) isolation provided before the room light switch and suitably fused, in accordance with IEE Regulations.

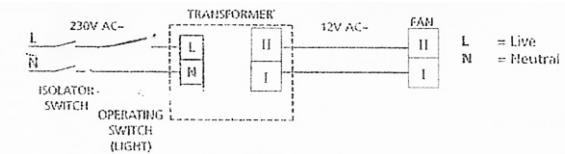
Window Fans should be connected to power supply using a flexible cord with conductors of between 0.75 and 1.5mm² only.

Wall and ceiling mounted fans for fixed wiring should be connected to the power supply via a cable with solid conductors of 1mm² to 1.5mm² only.

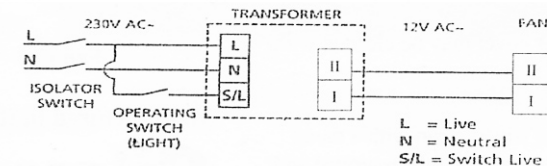
WIRING INSTRUCTIONS

WARNING : Isolate Power Supply before commencing work

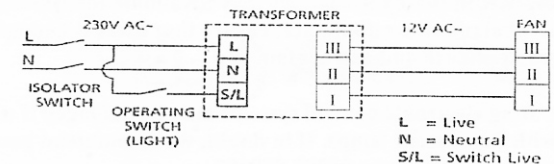
SDF 100BLV - STANDARD MODEL



SDF 100TBLV - TIMER MODEL



SDF 100HTBLV - HUMIDISTAT MODEL



IF IN DOUBT, PLEASE CONSULT A QUALIFIED ELECTRICIAN