



Loovent TM (01)

Fan Installation and Operation Guide



Loovent TM (01) - 71766401

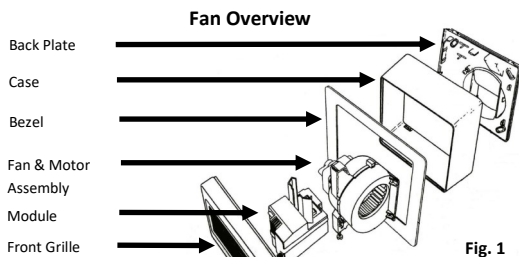


Fig. 1

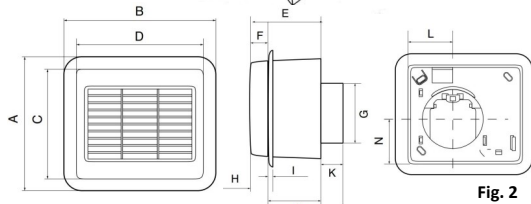


Fig. 2

	Front	Side	Back		
Model	A	B	C	D	E
Loovent TM (01)	199	217	162	181	112
Dimensions (mm)	F	G	H	I	J
	26	97	31-33	4-8	85
	K	L	N		
	35	72	72		

Wall Surface Installation

Dismantle the fan by undoing the screw on the bottom of the front grille, a few turns then remove the grille by pivoting it about its top edge. Remove the module by lifting and pulling it out. Release the fan and motor by undoing the two cross headed screws and sliding the assembly to the right (see Fig. 1). To ease installation it is best to spring the backplate out of the case.

Mark positions and sizes of the holes for the exhaust and cable entry and the hole centres for fixing the backplate to the wall using the template provided which must be broken out along the perforations of the carton insert. Carefully make a hole for the exhaust large enough to clear 100mm I.D plastic pipe. Cut a length of 100mm I.D plastic pipe to bridge the wall cavity. Grout into position to maintain integrity.

Install the electricity supply (see Fig. 3/4). Allowing 250mm to protrude for connection.

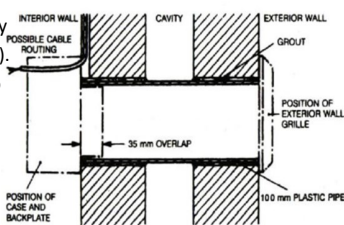


Fig. 5

Wall Surface Installation

Drill and plug the four fixing holes for the back plate to accept 38mm long roundhead screws. Fit the backplate to the wall after feeding the cables through the entry hole. Retain with four screws which should not be overtightened. Reassemble the case by aligning it with the backplate (see Fig. 6).

Make sure that the case and backplate is level. The slotted fixing holes allow for some adjustment.

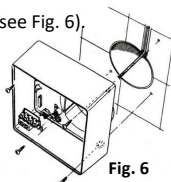


Fig. 6

Refit the terminal block, fan and motor assembly, which must be inserted under the tabs on the backplate and be pulled to the left whilst tightening the fixing screws, followed by the module and grille.

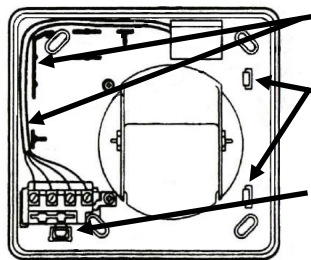


Fig. 7

Make sure cables are routed in the channel. When re-assembling ensure fan and motor assembly is fitted under these tabs.

To assist wiring, release terminal block with screwdriver blade inserted here.

Loovent TM (01) comes with an integral Timer module which allows the user to control the fully adjustable Run on timer period between 5 and 45 minutes.

Features

- Proven centrifugal fan
- Wall/ceiling surface or recessed mounted
- Compact design
- Filterless technology
- IPX4
- Backdraught flap
- Motor thermal protection

First Steps

The following items are or may be required depending on the type of installation:

- 4 core cable (3 cores +)
- 3 core cable (2 cores+)
- Switched, fused, connection unit
- Door switch
- Outlet grill or roof cowl and weathering slate
- 100mm plastic pipe or flexible to suite
- Junction box
- Condensation trap

Wall Recessed Installation

Dismantle the unit (see Fig. 1). For this installation it is best not to separate the case and backplate.

Make an opening in the wall large enough to fits the case and backplate and to take the exhaust to the outside wall. Allow about 10 mm clearance all round the casing and pipe (see Fig. 8).

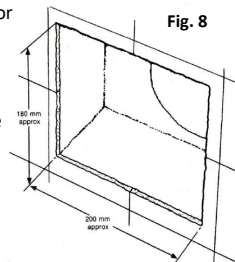


Fig. 8

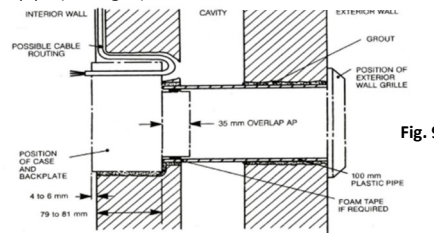


Fig. 9

Cut a length of 100mm I.D plastic pipe to fit over the exhaust spigot and reach to the outside wall. If a seal is important between the outlet spigot and the pipe, use 6mm thick self adhesive foam tape around the spigot.

The front face of the case should protrude by 4 to 6 mm from the wall surface if the bezel is to be used (see Fig. 9).

Electrical Installation

All electrical installation must comply with IEE wiring regulations. It is a requirement of the IEE regulations that all appliances shall be installed via a switched, fused connection unit. Loovent fan must be earthed. It is recommended that the installation is carried out by an approved electrician. The fan, switches or wiring must not be directly accessible to a person using a bath or a shower. If the unit is fitted in a bathroom the switched, fused connection unit must be mounted outside the room.

The Loovent TM (01) requires a 220V—240V 50 AC supply. Disconnect any mains supply before making connections to the fan. Decide which type of installation is required and work out a suitable wiring. It is often easiest to connect through the lighting circuit.

Door Switch Operation

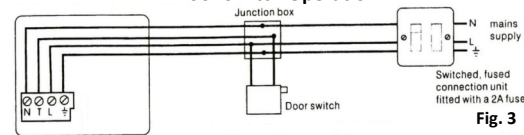


Fig. 3

Light Switch Operation

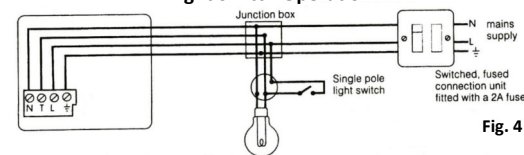


Fig. 4

Note: Loovent TM (01) will not operate without connection to (T) terminal.

Wall Recessed Installation

Install the electricity supply cables (see Fig. 3/4 and Fig. 9), allowing 250mm to protrude for making connections within the case.

Grout the casing and pipe in place making sure the top edge of the casing is horizontal, the front protruding and that the tubing is flush with the outside.

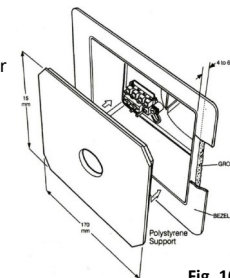


Fig. 10

The pressure of the grouting material may cause the casing to bow, therefore it is recommended that polystyrene support is used until the grout has set (see Fig. 10). Fit the bezel by pushing over the casing up to the wall surface.

When the grout has set, make the electrical connection to the terminal block after releasing it from the backplate (see Fig. 3/4 and Fig. 7).

Refit the terminal block fan and motor assembly, which must be inserted under the tabs on the backplate and pulled to the left. Tighten the fixing screws followed by the module and grille.

Ceiling Surface Installation

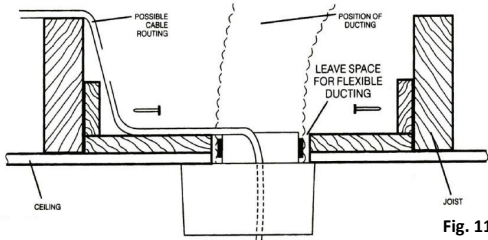


Fig. 11

Make support to fit between the joists as shown (see Fig. 11). Mark the positions and sizes of the holes for the exhaust and cable entry and the hole centres for fixing the backplate using the template provided, which must be broken out along the perforations of the carton insert.

Cut holes for the exhaust and cable entry. Make sure that there is sufficient clearance for the type of ducting to be fitted when cutting the exhaust holes. Mark and cut out ceiling holes making sure that they align correctly with holes in the support. Install the electricity supply cables. Allow 250 mm of cable to protrude beyond the ceiling for making connection with ease.

Dismantle the unit (see Fig. 1). Feed the cables through the entry hole in the backplate and fix the case and backplate to the support using four 38 mm roundhead screws.

Testing

When the installation is complete, switch on the electricity supply. Operate the door or light switch as appropriate to check that the fan start and runs on for a pre-set period after the door is closed or the light switched off.

If the fan fails to operate correctly disconnect it from the electricity supply and check that all electrical connections have been properly made. Check the fuse.

Timer Adjustment

Switch on the electricity supply and test again. If it still occurs, contact Airflow service department.

Disconnect the fan from the electricity supply. Remove the front grille.



Turn the adjusting knob clock wise to increase and anti clockwise to decrease the Run on timer period. The Run on timer factory is set to operate for 25 minutes and may be adjusted from a minimum of 5 minutes to 45 minutes. Set as needed and re assemble the fan.

Ceiling Surface Installation

Make the electrical connections to the terminal block after releasing it from the backplate. (see Fig. 3/4 and Fig. 7).

Refit the terminal block, fan and motor assembly, which must be inserted under the tabs on the backplate and be pulled to the left whilst tightening the fixing screws, followed by the module and grille.



Fig. 12

Install ducting from the exhaust spigot either through the roof using a weathering slat and roof cowl, or under the eaves using an outlet grille (see Fig. 13)

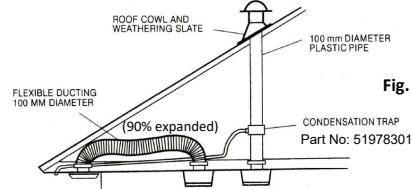


Fig. 13

When venting vertically through the roof void there may be problems with condensation due to moist warm air coming into contact with the cold surface of the exhaust duct. This condensation may drip down into the fan unless the pipe is lagged, twin walled insulated pipe is used or moisture trap fitted as near to the unit as possible.

Maintenance

SAFETY FIRST: ALWAYS ISOLATE THE FAN UNIT FROM THE POWER SUPPLY BEFORE DOING ANY WORK ON THE FAN / MODULE.

When installed by a competent installer according to user instructions, the Loovent TM (01) is completely safe. The materials used in its construction do not constitute a hazard. 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 are supervised or fully instructed concerning the use of the appliance by a person responsible for their safety.

Cleaning

Fan and ducting should be inspected and cleaned on a regular basis to maintain fan performance. The external housing of the fan can be wiped with a dry cloth.

Do not use household cleaners containing abrasives. Cleaning of the internal parts such as the impeller should be carried out by using a soft brush. Never clean any parts of the fan assembly by immersing in water or using a dishwasher.

Ceiling Recessed Installation

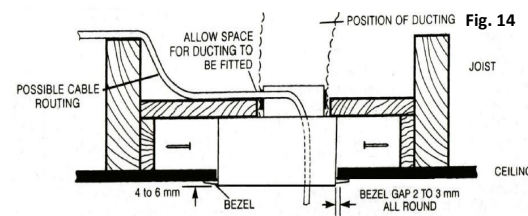


Fig. 14

Make support to fit between the joists as shown (See Fig. 14). Mark the positions and sizes of the holes for the exhaust and cable entry and hole centres for fixing the backplate using the template provided, which must be broken out along the perforations of the carton insert.

Cut holes for the exhaust and cable entry. Make sure when cutting the exhaust hole, that there is sufficient clearance for the type of ducting to be fitted.

Mark and cut out ceiling holes making sure that they align correctly with holes in the support. Install the electricity supply cables (see Fig. 3/4) and allow a minimum of 250 mm of cable to protrude for making connections within the case.

Dismantle the unit (see Fig. 1). For this installation it is best not to separate the case and backplate.

Warranty

Airflow guarantees the Loovent TM (01) for 3 years from date of purchase against faulty material or workmanship. Applicable to units installed and used in the UNITED KINGDOM.

Warranty covers the fan, not the reinstallation of this if required. In the event of any defective parts being found, Airflow Developments Ltd reserves the right to repair, or at our discretion replace without charge, provided the unit:

1. Has been installed in accordance with the fitting and wiring instructions supplied with each unit.
2. Has not been connected to an unsuitable electrical supply.
3. Has not been subjected to misuse, neglect or damage.
4. Has not been modified or repaired by any person not authorised by Airflow Developments Ltd.
5. Has been installed by a person who is recognised as a competent person who is part of a competent scheme provider (e.g. NICEIC Ventilation Scheme).

Ceiling Recessed Installation

Fit the cable through the entry hole in the backplate and fix the case and backplate to the support using four 38 mm roundhead screws. Note that the slotted fixing holes in the backplate allow for some adjustment.

Make the electrical connections to the terminal block after releasing it from the backplate (see Fig. 3/4 and Fig. 7).

Refit the terminal block, fan case and motor assembly which must be inserted under the tabs on the backplate and be pulled to the left whilst tightening the fixing screws, followed by the module and grille.

Do not overtighten the grille retaining screw. Fit the bezel by pushing it over the casing up to the ceiling surface. Install ducting in roof void (see Fig. 13).

Best Practice Recommendations

Where flexible ducting is used the diameter must be maintained and it is good ventilation practice that the ducting is extended to a minimum of 90% of its possible length in order to maintain the best possible air flow.

Do not place the fan near any direct heat sources, e.g. radiant heaters, or where the ambient temperature can exceed 45°C (113°F).



Airflow Developments Ltd shall not be liable for any loss, injury or other consequential damage, in the event of a failure of the equipment or arising from, or in connection with, the equipment excepting only that nothing in this condition shall be construed as to exclude or restrict liability for negligence. Full details at airflow.com/terms

This warranty does not in any way affect any statutory or other consumer rights.



Disposal

Do not dispose of with household waste. Please recycle where facilities exist. Check with your local authority for recycling advice.



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