Pull-cord version for ECOLINE GF and GG: operated by pulling the cord. Pulling the cord again turns the fan off (see wiring diagram Fig. 10).

Timer version for ECOLINE GF, GG and A: please refer to Fig. 8 for adjustment of the timer. Turn the trimmer towards the "+" sign for a longer over-run period and for a shorter over-run period, turn towards the "-"sign.

These models can either be wired via a LIGHT SWITCH (Fig. 11), or via a REMOTE (ILLUMINATED) SWITCH (Fig. 12). In both instances the fans will start to operate when the light or remote switch is switched on, and will continue to run via the timer for the pre-set overrun time after the fan is switched off. On the automatic/timer version there will be a few seconds delay before the shutter opens. When the switch is off, also the red neon light is off and the fan continue to run via the timer.

Version with timer and humidistat for ECOLINE GF, GG and A: please refer to Fig. 9 for adjusting the humidistat and/or timer (adjust the timer as described above); to adjust the sensitivity of the humidistat turn the trimmer marked "Hy%" towards the higher number to make it less sensitive to the level of humidity.

This fan incorporates an adjustable humidistat which is sensitive to the level of moisture (relative humidity) in the air. The fan operates automatically when the humidity reaches the pre-set level. The fan will continue to operate until it has removed the moisture from the air. The fan can also be operated by the remote switch, light switch or pull cord independently of how much moisture there is in the air (Fig. 11 and 12). When the fan is switched off, it will continue to run until either any humidity in the air has fallen beneath the pre-set level, and the timer has completed the over-run period. (Note: if you wish to run the fan only via the humidistat, connect terminals "L" and "N" only).

Version with timer/humidistat and 2 speed for ECOLINE GF, GG and A: this model runs permanently at the lower speed, but can be boosted to maximum speed by means of the humidistat, when the relative humidity reaches the pre-set level or, regardless of the humidity level, by means of a remote (illuminated) switch or the light switch. Switching the remote switch off, will make the fan run for the timer pre-set overrun period and then revert to automatic operation by the humidistat, at the minimum speed.

Version with timer/humidistat, pull cord , 1 or 2 speed for ECOLINE GF, GG and A: if you wish to run the fan only via the humidistat, connect terminals "L" and "N" only (Fig. 9). The fan operates automatically when the humidity reaches the pre-set level (at the minimum speed in case of 2 speed version) and continues to run until any humidity in the air has fallen beneath the pre-set level and the timer has completed the over-run period.

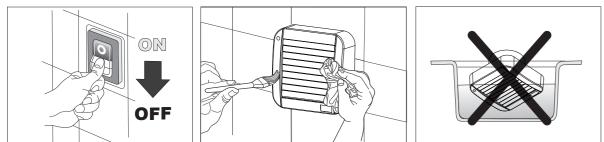
The fan, when in stand-by, can be activated by pulling the cord (in case of a 2 speed version the fan is boosted to the maximum speed): the neon indicator shows when the fan is manually activated or in override mode. Pulling the cord again, the neon light is off and, after the overrun timer period, the fan reverts to the automatic operation by the humidistat to its stand-by position or, in case of a 2 speed version) at the minimum speed.

WARNING : If the level of relative humidity in the room is superior to the pre-set one, the automatic running has the priority on the manual one. Therefore, it will not be possible to switch off the fan through the switch.

#### TROUBLESHOOTING

PROBLEM	CAUSE AND REMEDY
The appliance does not switch on	There is no voltage. Check the main switch and/or the electrical connections.
The impeller does not turn	Check that its movement is not slowed down.

#### **MAINTENANCE ORDINARY**



### MAINTENANCE AND CLEANING CARRIED OUT BY A QUALIFIED PERSON

- . Remove the front cover.
- Clean the front cover with a neutral detergent or water.
- The motor-fan assembly should be cleaned with a dry brush or dry cloth.
- Electrical parts cannot be cleaned.
- During cleaning ensure that all the assembly motor-fan not come into contact with any kind of liquid or solvent. If this should accidentally occur, contact a qualified technician before re-assembling the fan.

#### **DISMANTLING AND RECYCLING**



If a crossed-out wheeled bin is illustrated on a product, this means that the product satisfies the requirements of the 2012/19/EU European Directive. Conform to the local norms regarding the disposal of waste materials and do not dispose of old products in normal domestic waste material.



Maico Italia S.p.A. - Via Maestri del Lavoro, 12- 25017 Lonato del Garda (BS) ITALIA Tel. +39 030 9913575 Fax +39 030 9913766 e-mail: info@maico-italia.it www.elicent.it In case of incorrect or doubtful translation, only the Italian text applies (Translation of the original instructions

# **i** Instruction Manual



Read and apply that referred to the following pages before carrying out the installation. Keep this manual in a safe place.

#### Dear Customer,

the product you have purchased is a helicoidal fan for exhausting directly to the outside or in a short length of ducting, suitable for wall, panel and ceiling installation. Window kit for window installation is also available. To ensure optimum operation and guarantee a long life, please read this manual carefully that explains how to effectuate a correct installation and to use and maintain the product properly. Following all the instructions ensures reliability and long life, both mechanically and electrically The manufacturer declines any responsibility for damages caused to persons or things deriving from the lack of observance of the following described instructions.

The product is constructed using state of the art technology and respects the standards in force regarding electrical equipment. It conforms with the EMC 2014/30/EU European Directive regarding radio interference suppression and electro-magnetic compatibility.

### Installation and usage instructions

### WARNING: Serious injury or death can be caused if these instructions are not applied!

- Do not use this product for uses that are different from those for which it has been designed
- After removing the product from its packaging ensure that it is complete and undamaged; if in doubt, immediately contact a gualified electrician.
- Do not leave parts of the packaging within reach of children or incompetent persons. recycling norms in force in your country.
- Immediately contact a gualified person (authorised dealer or the manufacturer) if the product is dropped or knocked to check its correct functioning.
- This appliance can be used by children aged from 8 years and above and persons with pervision.
- The means of disconnection from the supply mains must have a contact separation tions.
- If there is a combustible-fed device (water heater, gas boiler, etc. of the sealed chamber flue of gas or other fuel-burning appliances.
- To avoid the risk of fire do not using the product in the presence of inflammable substances and vapours, such as alcohol, insecticides, petrol, etc.
- of the supply mains correspond to those written in the rating label.
- In the case of malfunction, anomaly or any type of fault disconnect the appliance from for repairs.
- The electrical system to which the appliance is connected must conform with the local norms in force regarding electrical systems.
- The appliance must not be used to activate water heaters, room heaters, etc.

# ECOLINE SERIES



The equipment must be installed only by a specialised technician!

To dispose of the packaging and the appliance at the end of its useful life refer to the

• Do not touch the appliance with wet or humid parts of the body (e.g., hands or feet).

reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without su-

in all poles and must provide full disconnection under overvoltage category III condi-

type) in the room where the product is to be installed check that the re-circulation of air is sufficient to ensure a good combustion for the correct functioning of these devices, precautions must be taken to avoid the back-flow of gases into the room from the open

The product can be connected to the supply mains only if the voltage and the frequency

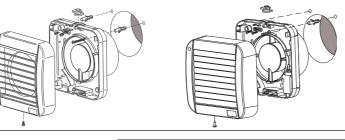
the electrical main supply and contact a qualified person. Use only original spare parts

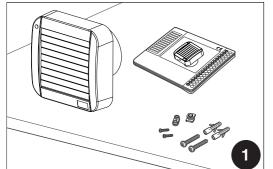
 It is forbidden for the appliance to discharge air into hot air ducts used for the evacuation of fumes coming from the combustion of stoves or other combustion devices. It must discharge directly outside the building.

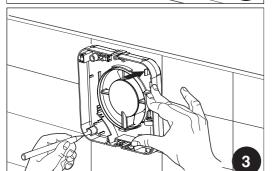
## WARNING: Damage can be caused to the device if the following instructions are not applied!

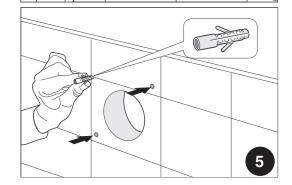
- Do not use the product at environmental temperatures more than 40°C.
- Do not leave the appliance exposed to atmospheric agents (rain, sun, snow, etc.). The possible applications of this product are illustrated in this manual.
- Do not immerse the appliance or parts of it in water or any other liquids.
- When cleaning or carrying out ordinary maintenance, check the integrity of the appliance.
- The flow of air or fumes that is conveyed by the appliance must be clean and free of greasy elements, soot, chemical/corrosive agents and inflammable or explosive mixtures.
- Do not obstruct the air inlet and outlet of the appliance in any way whatsoever. When using air ducting make sure that the ducting is not blocked.
- It is recommended to install it at a minimum height of 2.30 metres from the floor.
- For an optimum functioning of the appliance, it is necessary to ensure an adequate recirculation of air in the room. Consult the local norms with regards to this.

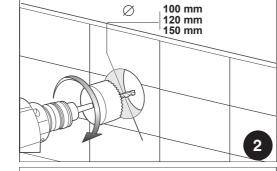


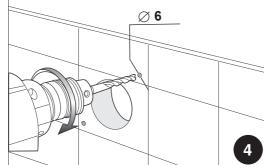


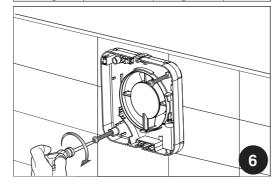


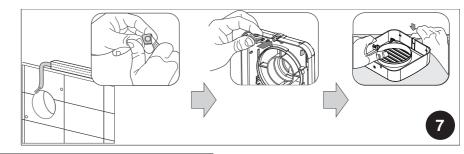


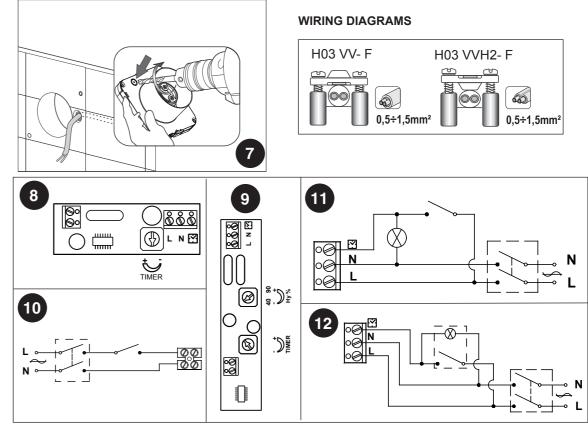


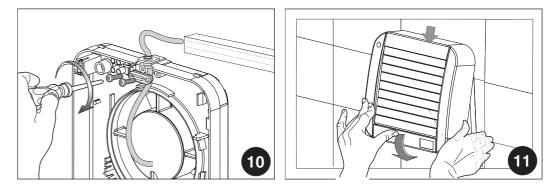


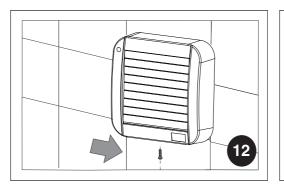












**OPERATION** 

Standard version ECOLINE GF and GG: this fan is operated by means of a control switch (see wiring diagram Fig. 10). Automatic version ECOLINE A: this model incorporates an automatic shutter which opens/closes a few seconds after the fan has been switched on/off (see wiring diagram Fig. 10). A red neon lamp indicates when the fan is running.

