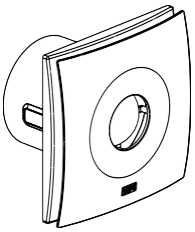
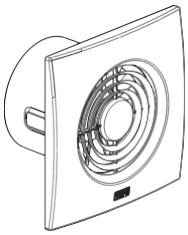
Wall and Ceiling Exhaust Fan - 150mm

Cat. No. **EF150SQWE, EF150SQSWE, EF150RDWE, EFS150SQWE, EFS150SQSWE, EFT150SQSWE, EFH150SQSWE**

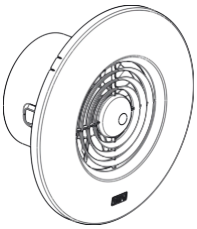
Instruction Manual



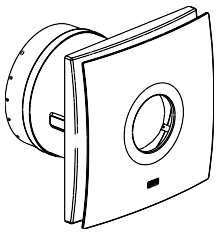
EF150SQWE
Standard square 150mm wall fan



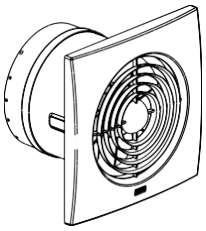
EF150SQSWE
Slimline square 150mm wall fan



EF150RDWE
Round 150mm wall fan



EFS150SQWE
Standard 150mm wall fan with auto shutter



EFS150SQSWE, EFT150SQSWE, EFH150SQSWE
Slimline 150mm wall Fan with auto shutter

Please read carefully: Read through these instructions completely before commencing installation. Retain for future use.
This product should be installed by a licensed electrical contractor or similarly qualified person.

1 Specifications

Cat. No.		EF150SQWE	EF150SQSWE	EF150RDWE	EFS150SQWE	EFS150SQSWE	EFT150SQSWE EFH150SQSWE
Supply Voltage		230-240 V a.c 50 Hz					
Power Rating		24 W max.			30 Wmax.		
Standby Power		-	-	-	-	-	0.8 W
Protection Class		Class II					
IP Rating		IP44	IP24		IP44	IP24	
Duct Requirement		Ø150 mm					
Wall/ceiling cut out size		Ø160 mm					
Draft Stopper		PET Sheet			Auto Shutter (Wax Solenoid)		
Fascia	Size	212 x 212 mm		Ø253 mm	212 x 212 mm		
	Thickness	43 mm	24 mm		43 mm	24 mm	
Weight (excl.packaging)		1.0 kg	0.9 kg		1.2 kg	1.1 kg	
Sound Pressure Level		42 dBA at 3 m (Tested in accordance with AS1217.5)					

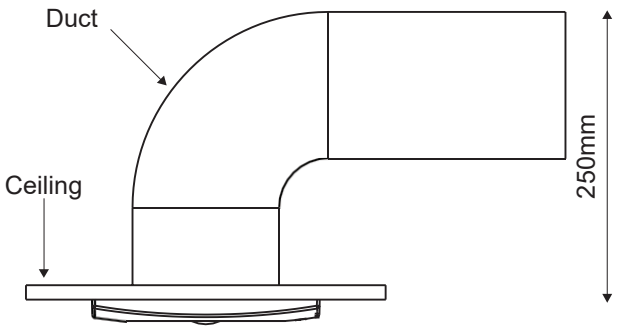
Max Airflow

Cat. No.	EF150SQWE				EF150SQSWE & EF150RDWE				EFS150SQWE		EFS150SQSWE EFT150SQSWE EFH150SQSWE	
Draft stopper	with		without		with		without		with			
No Duct	57 l/s	204 m^3/hr	61 l/s	218 m^3/hr	75 l/s	269 m^3/hr	86 l/s	309 m^3/hr	56 l/s	200 m^3/hr	74 l/s	267 m^3/hr
Wall kit R621/6D (350 mm of duct)	51 l/s	184 m^3/hr	53 l/s	189 m^3/hr	57 l/s	206 l/s	60 l/s	217 m^3/hr	51 l/s	184 m^3/hr	57 l/s	206 m^3/hr
1m of Duct	49 l/s	175 m^3/hr	49 l/s	178 m^3/hr	54 l/s	196 l/s	56 l/s	201 m^3/hr	49 l/s	175 m^3/hr	54 l/s	196 m^3/hr
3 m of Duct	44 l/s	158 m^3/hr	44 l/s	160 m^3/hr	48 l/s	171 l/s	50 l/s	181 m^3/hr	44 l/s	158 m^3/hr	48 l/s	171 m^3/hr

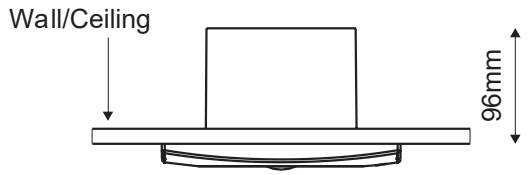
2 Mounting

These exhaust fans are designed primarily for wall-mounting. They may be vented into a cavity wall or in to the roof space inthe ceiling. Alternatively, the fan may be ducted through an outside wall (with the addition of ducting and an outside grille).
Protrusions into wall/ceiling cavity are as per below figures.

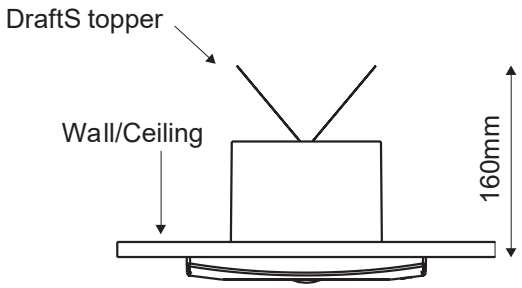
Fanw ithd uct



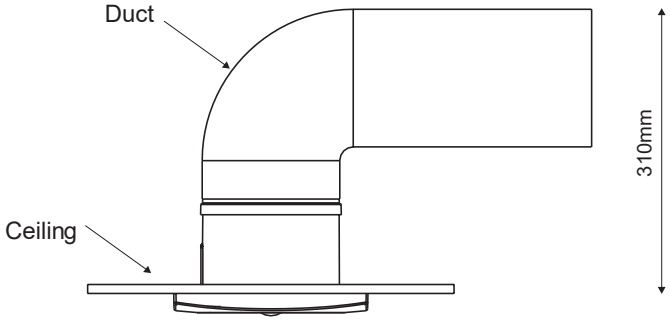
Fano nly



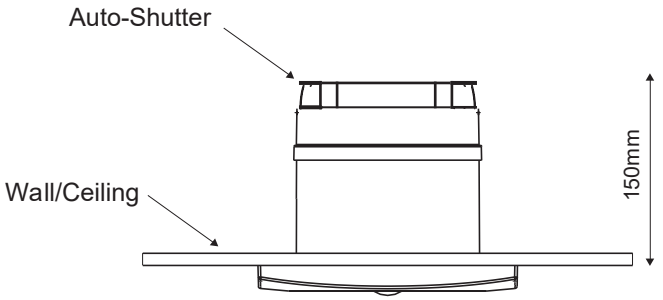
Fanw ithd raft stopper



Fanw itha utos hutter andd uct

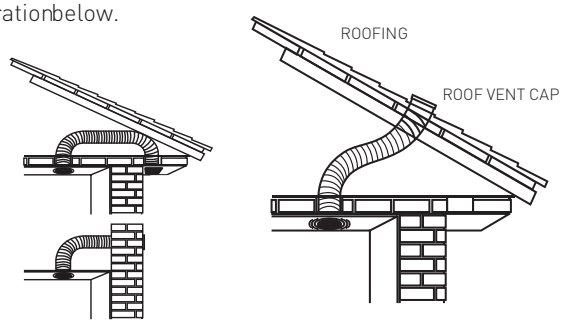


Fanw itha utos hutter



When fitted,t he duct outletmust be thes ameh eightо rl ower than thee xhaustfan.

Thed uctc an also be installedv erticallyi ntoa roof.S ee the illustrationbelow.



CAUTION:
Regulations concerning the discharge of air must be fulfilled. Local building codes may require venting to the outside. Locate in accordance with the requirements of theWiring Rules AS/NZS 3000 relating to damp situations.
Note: Steamwill only be removed if there is sufficient flowof air throughthe room.Ensure adequate inlet openings in the roomare provided, for example through windows, vents or under the door. Air-flow paths from room inlets to fan should ideally pass over surfaces where condensation may form.

3 Auto-Shutter (for EFS150SQWE, EFT150SQSWE,EFS150SQSWE & EFH150SQSWE)

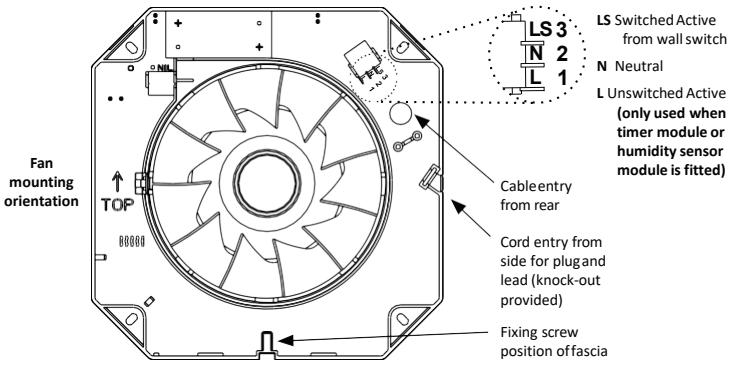
The flaps of the Auto-Shutter are driven by a thermoactuator. Due to this, the flaps will take time to open/close when the exhaust fan isswitched on/off.
Time to Open: 30 - 60 seconds
Time to Close:120 – 200 seconds

4 Installation

Remove all packaging from the product before commencing installation. Ensure the circuit has been isolated from the 240V mains before commencing work.

1. Choose a suitable mounting location. There must be adequate clearances in the wall/ceiling to accommodate the Draft stopper and/or ducting. Refer to section 2 for further information.
2. If ducting through the wall to the outside, refer to instructions in the wall duct kit. Note: the wall kit is available separately, please refer to Optional Accessories section.
3. The time delay module that is included in EFT150SQSWE is available separately (EF100/ adjustable from 1 to 29 minutes.
4. Make a circular 160 mm hole in the wall/ceiling.
5. Remove front cover fascia by removing fixing screw and cap on the underside of the cover.
6. Remove draft stopper if not required. Note that the draft stopper (when fitted) has an effect on the airflow.
7. Make the electrical connections (as per Figures below).

Figure 1.



Connection from rear – bring mains wiring through cable entry hole.

Connection from side (Fan only) – use twin flat core (H03VV-H2) or circular core (H05VV-F) 2 x 0.75mm² and place under cable clamp provided.

Figure 2. Fan with Timer module and Light fitting

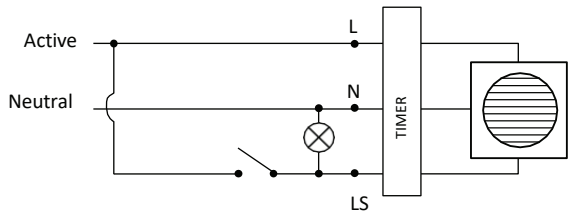
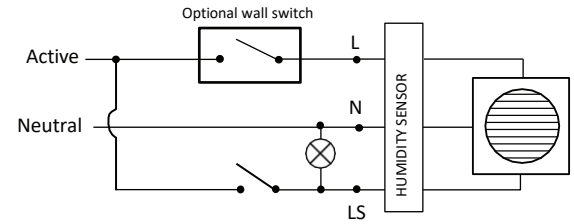
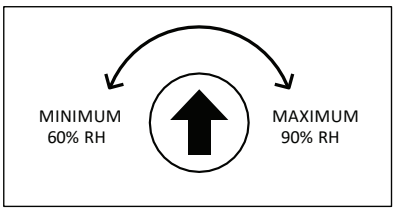


Figure 3. Fan with Humidity Sensor module and Light fitting

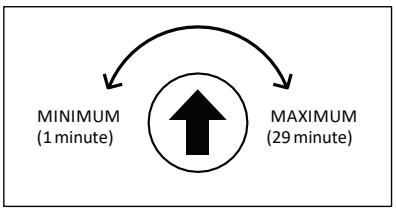


8. Ensure orientation of fan is with arrow pointing up.
9. Fix fan firmly to the wall with the 4 screws provided.
10. Replace front cover/fascia and tighten fixing screw. Replace cap.
11. Switch on and test function. Use a paper tissue held against fan inlet to verify suction.



Relative Humidity (RH) Adjustment

The default factory setting is 90%. Adjust to desired RH level



Timer Adjustment

The default setting is to 1min (approx). Adjust to desired time delay.

Condition	Timer Module	Humidity sensor
LS is Powered OFF (Initial)	Fan does not run	Fan does not run
LS is Powered ON	Fan runs continuously	Fan runs continuously
LS is Powered OFF	Fan runs for Preset Time and Switches OFF	Fan runs if relative humidity is above pre-set value and switches OFF when relative humidity drops below the preset value plus 2 minutes
LS is Powered ON and OFF immediately	Timer is Reset and fan runs for Preset Time and Switches OFF	
LS is Powered OFF (continuously)	N/A	Fan will run if relative humidity reaches pre-set value and switches OFF when relative humidity drops below the preset value plus 2 minutes. See optional switch in Fig.3 to disable this function.

5 Installation

This product should only be cleaned with a damp cloth. Cleaning agents and solvents should not be used. Ensure the fan is switched off from the mains power supply before removing the grille fascia.

6 Optional Accessories

R621/6D -150mm wall duct kit
EF100/150TD -Time delay module allows the fan to run for a set period, adjustable between 1 29 mins, after the switch has been turned off.

Product Notes

1. For indoor use only.
2. This product must be installed and used as per these instructions.
3. This product 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. Children should be supervised to ensure that they do not play with the appliance.
4. This product is intended for household use and similar purposes. It is not suitable for use in an environment heavily laden with dust. Under these conditions the life of the fan motor can be significantly reduced.
5. This product should not be enclosed in thermal insulation as it may cause the unit to overheat.
6. This product has been designed to operate in ambient temperatures 1010°C to 40 40°C.
7. This product contains no serviceable parts and no attempt should be made to repair it. If the product is faulty it should be discarded.
8. Airflows listed in this product indicate the product performance. Refer to the BCA (Building Code of Australia), or similar, for the appropriate airflow required for a particular installation.
9. Airflow will be reduced with bends in duct, squashing of duct, restrictions on replacement air entering the room to be ventilated,or pressure differentials between the room and outside air. The length of the duct will have an effect on the airflow.
10. Ventilation product must have an adequate source of external air to ensure correct performance.
11. Consideration must be taken in the installation of ducts to ensure that condensation that will form in the duct will not run back into the fan housing.
12. Exhaust fans may adversely affect the safe operation of appliances burning gas or other fuels (including those from other rooms) due to back flow of combustion gases. These gases can potentially result in carbon monoxide poisoning. After installation of an exhaust fan such as a partition fan, the operation of flued gas appliance should be tested by a competent person to ensure that back flow of combustion gases does not occur.
13. This product has been designed for domestic or similar uses and is not suitable for a commercial installation.
14. This product is not suitable for installation in hazardous and/or corrosive areas.
15. Extended exposure to UV rays (such as exposure to direct sunlight) may cause discolouration of this product.
16. The material in this product may vary in colour from batch to batch. Colour matching from one batch to another cannot be guaranteed.
17. This product utilises intellectual property in the form of registered designs, trademarks, and/or patents. Such intellectual property remains the property of Legrand in all cases.
18. Legrand reserves the right to modify the specification of this product at anytime.

Warranty

Legrand warrants this product for a period of 3 years from the date of purchase. These goods come with guarantees that cannot be excluded under the Australian and New Zealand Consumer Laws. You are entitled to a replacement or a refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired if the goods fail to be acceptable quality and the failure does not amount to a major failure.

See the Warranty card enclosed with this product for further details.

Customer Service

For all Customer Service and Technical Support please call Monday to Friday during business hours.

Legrand Australia
1300 369 777
www.hpm.com.au

Legrand New Zealand
0800 476 009
www.hpm.co.nz

ABN: 31 000 102 661

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