

NOTICE
PLEASE READ
INSTALLATION INSTRUCTION
BEFORE INSTALLING
THIS PRODUCT

TO PROFESSIONAL INSTALLERS:
Please leave this instruction booklet with the fan
on completion of the installation.

DOMUS
VENTILATION

Installation Instructions



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.

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ISSUE 3
LAB304R

MAYFAIR CLASSIC **Fire Protected Wall/Ceiling Fan**

MAYFAIR

Fire Protected Wall/Ceiling Fan

The Mayfair is a cartridge type centrifugal extractor fan for use where fire protection is required. The Mayfair fan can also be installed as a basic extraction fan without the Fire protection shutter.

It is fitted with a maintenance free rubber mounted motor. The cartridge system permits the fan to be removed from the wall or ceiling without disturbing the ducting, wiring or wall fittings. This facility greatly simplifies maintenance and cleaning procedures.

On new build and renovation projects the Mayfair system permits all the installation work to be carried out in advance of the fan being fitted, therefore reducing the possibility of theft or damage.

APPLICATION

BATHROOMS, TOILETS, UTILITY ROOMS, LOBBIES AND HALLWAYS

The Mayfair complies with all current Building Regulations.

Mayfair Range	
Single Speed	May 102B
Single Speed with Timer	May 202B
Twin Speed	May 402B
Fire Shutter (Wall Fix)	May FD

IMPORTANT: A BUILDING-IN FRAME IS REQUIRED TO FIX THE MAYFAIR FAN UNIT.

Extract Volume

High Speed 79m³h (21.9 l/s)
Low Speed 36m³h (10 l/s)

Product Function Guide

Single Speed

May 102B
Single Speed fan unit. Requires external switching.

Single Speed with time delay

May 202B
Single speed fan with integral adjustable timer.

First isolate power supply. Remove the front cover by unscrewing the central screw. Remove the four fan retaining screws positioned at each corner and ease the fan away from its mounting. The timer is next to the power pins. Turn the adjuster (at the end of the timer) anti-clockwise for less overrun and clockwise for more overrun. The timer factory set at minimum. The adjustment range is approx 30 seconds to 25 minutes.

Twin Speed

May 402B
This model runs at slow speed when the room is unoccupied and at high speed when the room is occupied. Usually operated by the light switch.

Cleaning

From time to time the fan will require cleaning. To do this, first isolate the power supply and remove the fan from its mounting as described under "adjusting timer". Undo the three screws retaining the impeller cover. Dust the blades and fan body with a dry brush. The front cover and fire shutter may be washed in warm water. Make sure that the fire shutter is dry and the fusible link is in position when reinstalling.

WARNING: Failure to comply with Installation Instructions and Cautionary Notes may invalidate warranty.

Wiring Installation

WARNING: ISOLATE ELECTRICITY SUPPLY BEFORE COMMENCING WORK

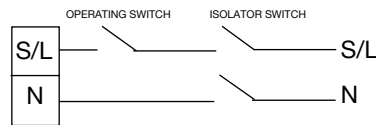
WIRING REQUIREMENTS FOR DOMESTIC ELECTRIC FANS

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

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

IF IN DOUBT CONSULT A QUALIFIED ELECTRICIAN

MAY 102B

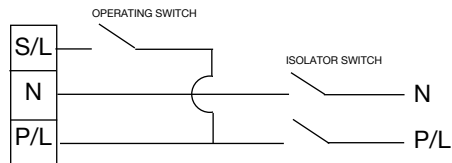


FRAME TERMINALS

S/L = SWITCH LIVE

N = NEUTRAL

MAY 202B AND MAY 402B



FRAME TERMINALS

S/L = SWITCH LIVE

N = NEUTRAL

P/L = PERMANENT LIVE

NOTE THE OPERATING SWITCH MUST BE SINGLE POLE

ELECTRICAL SUPPLY 230V AC~50HZ

□ IPX4

MODEL	SLOW SPEED	HIGH SPEED
MAY 102B	-	35W
MAY 202B	-	35W
MAY 402B	20W	35W

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.

A Guide to Ventilation

WHERE TO SITE YOUR FAN

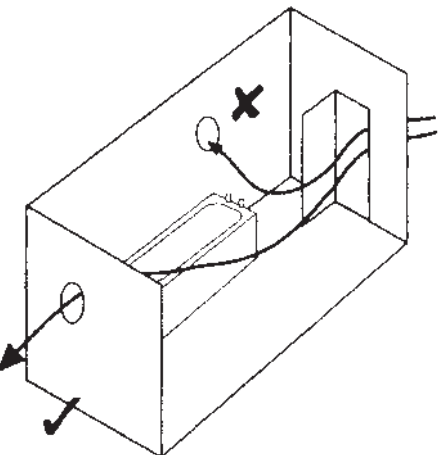
Incorrect siting of an extractor fan can severely impair its efficiency. It is therefore important that the fan is correctly sited using the following principles.

- To ensure maximum air flow through the whole room, mount in the wall or ceiling furthest from the air inlet point and at high level.
- Do not position a fan where temperatures are likely to exceed 40°C.
- When installing in a room with an open fire or stove without a balanced flue, ensure that there is sufficient replacement air to prevent the fan drawing air back down the flue.
- A 230 Volt fan installed in a bathroom must not be within reach of a person using the bath or shower.
- Always use an in-Duct or Low Voltage Fan (SELV) to ventilate a shower cubicle.

WARNING:

Positioning the Fan Unit must be so as to avoid the back flow of gases from open flue or other open fire appliances.

Also to prevent combustion gases entering the Air Inlet, the Air Inlet must not be positioned above or within 1½ metres of a combustion flue vent.



Building Regulation Requirements

Room	Extract Rate
Bathroom/shower room with or without toilet.	54m ³ h (15 l/s)
Toilet.	21.6m ³ h (6 l/s)
Non domestic sanitary accommodation (and/or washing facilities).	21.6m ³ h (6 l/s) per w/c or 3 Air Changes per hour.

Rooms without opening windows require fans to be fitted with 15 minute overrun timers.

NOT FOR USE IN SHOWER CUBICLES OR ABOVE BATHS FITTED WITH A SHOWER.

MAX ROOM TEMPERATURES 40°C

Installation using building-in frame

WALL MOUNTED

In the chosen position (as high on the wall as possible) cut a hole through the wall to take the 75mm discharge duct. 100mm duct may be used if preferred. In this case you will require a 75mm to 100mm adaptor. The ducting must slope slightly downwards towards the outside to allow for condensation drainage. When this has been done, position the building-in frame with the discharge spigot at the top right over the discharge duct position. Mark around the frame and cut an aperture to take the frame and fan. It is important that the front edge of the frame is flush with the surface of the wall.

The aperture must be at least 100mm deep. If installing in a cavity wall with loose thermal insulation, a cavity liner will be required. When the aperture is ready, grout the building-in frame into position. If a fire shutter is to be fitted to the fan, make certain that the grouting used is fireproof. Fit the discharge duct into position from the outside and trim to length. Grout into position and fit a discharge grille.

While fitting the building-in frame, provision must be made for the power supply cable.

To fit the fan into the building-in frame, first align the power pins and discharge spigot with their sockets and push gently into position.

CEILING MOUNTED

Select a suitable position on ceiling for fan. Ensure that the chosen position is between and square to the roof joists. Using the building-in frame as a template, mark and cut out the square hole to fit the frame into. Cut and fit two noggins to fit between the joists. Position them alongside the frame aperture so they will support the frame when it is in position. Fit the frame into position ensuring the front edge is flush with the ceiling surface. Secure firmly by screwing through the holes in the side of the frame into the joists or noggins.

Seal any gap between the ceiling board and frame with fire proof grouting.

The discharge from the fan may be ducted through a roof cowl or through the eaves either way, provision for condensation drainage must be made. For vertical duct, a condensation trap can be made from flexible ducting. Horizontal ducting should slope downwards towards the eaves.

To ensure maximum efficiency from the fan, flexible ducting and bends must be kept to a minimum. Please refer to page 6 for relevant wiring diagrams. To fit the fan into the building-in frame, first align the power pins and discharge spigot with their sockets and push gently into position.

