

# FOX FIRE SAFE

## Two Room Internal Bathroom and WC Fan

### About FOX FIRE SAFE

The FOX FIRE SAFE (FOX FS) is a specialist two-room (bathroom and WC) fan with timed overrun. Its fire safety properties are due to an intumescent seal contained within the metal connecting section which expands when exposed to high temperatures. An added benefit is that sound transmission is reduced making it the ideal solution for communal ducted systems.

The fan supplied as standard with two interchangeable intumescent cartridges so that the installer is able to easily place the cartridge as required. One intumescent outlet connects to the ducted system and the other provides fire protection for the second room.

The low-watt fan system operates on an overrun proportional timer activated by the light switches in either room. The FOX FIRE SAFE utilises two energy efficient MagLev motors, offering great efficiency, quiet operation and exceptionally long life (up to 50,000 hours of operation). No user or installation set up is required.

### Features and Benefits:

- Integral Intumescent fire protection system which expands and closes off the air duct in the event of a fire providing protection against the spread of fire. Now a building regulation requirement. Conforming to BS476: Part 20:1987
- Metal connection assembly to ensure integrity to fire protection system
- Intumescent seal and fans within metal section with no reduction to fan performance
- The FOX FS is programmed for proportional timer control from each room so is energy efficient and does not run unnecessarily
- Incorporates Maglev DC fan motors - designed to operate for 50,000+ hours fault free which means:
  - ◇ Almost silent operation
  - ◇ Cost effective as it is inexpensive to run, low maintenance and has a long life.
  - ◇ Can be fixed in any orientation without affecting performance (wall, ceiling)
- Polycarbonate ABS mix with fire retardant housing which provides a robust and high temperature resistant casing.
- Produces up to 85m<sup>3</sup>/h of air flow thereby conforming to building regulations part F
- Lifetime\* guarantee on the MagLev motor and 5 year guarantee on all other parts giving peace of mind
- 12V Power Supply / Timer or 240V supply options with IP54 connection for new or replacement systems and so is safe for use in wet areas i.e. Zone 1.

### What is MagLev Technology:

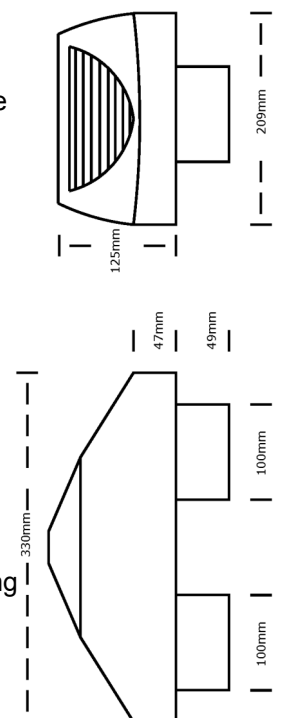
MagLev fans are derived from the most advanced train technology in the world. We have integrated the science behind making the MagLev trains float above the rails and propel forward, into our complete range of domestic fans.

The levitation of the blade and housing is created through opposing magnetic forces causing propulsion through perpendicular magnetic fields. This means that there is no physical contact between the moving parts and therefore no mechanical friction. This in turn means that the fan temperature is low and there is less waste of energy and less wear to the components. No friction also results in exceptionally high efficiency, quieter running and improved balance. All these features make a highly reliable motor with around 30 years life expectancy under normal operating conditions

\* Lifetime = lifetime of fan motor >50,000 hours in normal conditions



FOX Fire Safe incorporates 2 x 2 watt MagLev motors.

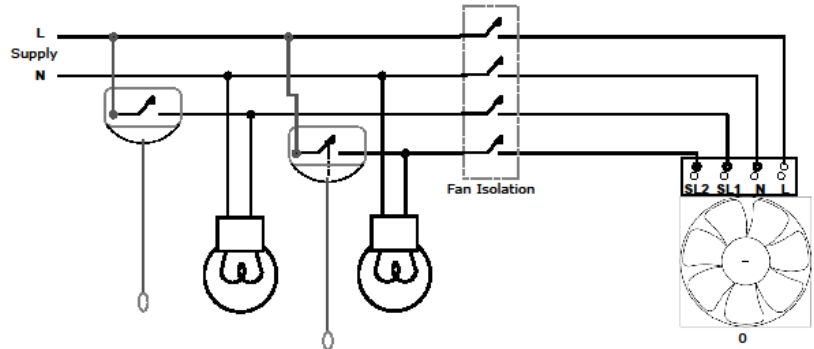


## FOX Fire Safe options

tem	Part No.	Kit Contents
FOX Fire Safe 240V	<b>FOX FS 240</b>	FOX fan with two room timer overrun and IP54 connection intumescent fan+ back draft valve
FOX Fire Safe 12V	<b>FOX FS 12</b>	FOX fan with two room remote transformer and timer overrun intumescent fan+ back draft valve

## FOX FIRE SAFE Wiring

The diagram depicts the wiring for a 240V solution. No transformer is required with the FOX FS 240V Fan and therefore the connection is direct from the fan to the isolator

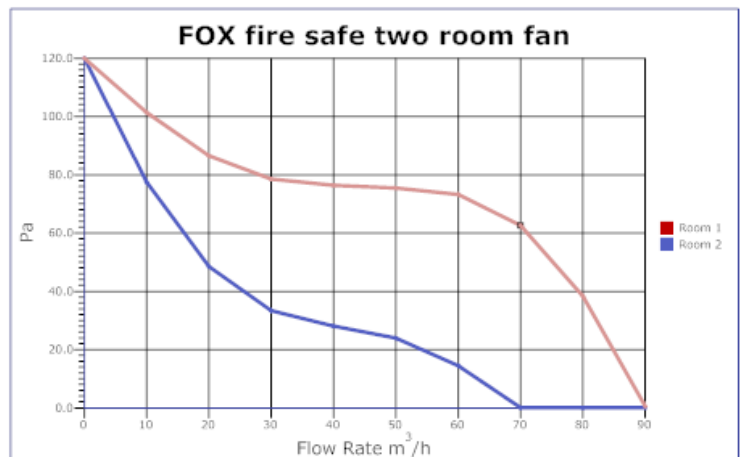


## General Notes on Fan Installations

The fan position should be as far as practical from the main source of air replacement. This is to avoid short-circuiting of the airflow. The fan should be placed at high level on a suitable wall so that the second spigot can be aligned to the second room. The FOX Fire Safe fans have two 98mm spigots to fit onto a circular 100mm ducting system.

**IMPORTANT** The connection to the system requires intumescent mastic as a sealer to make it fire safe.

For more information, please contact us or see our website for product



## And for the Specifier.....

The FOX FS is supplied with a proportional timer and two internal intumescent fire break systems. It can be installed onto an existing ducted system. The fan will include 2 MagLev motors of not more than 2 Watts each extracting at no less than 85m<sup>3</sup>/h. It will be provided with a backdraft valve and removable filters

Product	POWER				
	Max Air Flow m <sup>3</sup> /h	Fan Input (watts)	Static Pressure (Pa)	Noise (dB(A))	Exhaust Spigot Size (mm)
FOX FS 240v	85	4	120	28	98
FOX FS 12v	85	4	120	28	98