



Technical Datasheet

Interior Aroma Machine

Specifications:

Size: 24 x30 x 30cm

Shipping size:
32 x 54 x 37cm

Equipment weight: 9kg

Shipping weight: 20kg

Voltage: 220-240V

Power connector:
13A plug / IEC

Peak amps drawn: 2A

Additional requirements:
Aroma jar / hanging
bracket
Remote operator or
DMX controller

Suggested for set up:
1 person

Duration of effect:
Used 8 hours per day, 5
days per week, the jar
lasts around 2 weeks
before weakening

The Interior Aroma Machine is designed to fill a indoor spaces with a range of smells. Ideal for interactive events, exhibitions, theme parks, shows and many other applications. Machines are loaded with an aroma jar which can last several weeks depending on use. All machines are controlled locally but a limited number can also be controlled remotely via DMX.

How to set up and use an Aroma machine

MODE SELECT: Used to select which function the operator wishes to change. A flashing cursor will appear under the function selected. Press to clear from LCD and the machine will start.

CONTROL: Select either local control or remote control via a pluggable remote module. Adjust by pressing 'UP' or 'DOWN' touchpads.

VOLUME: Controls the machine output volume fan from 0% to 99%. Also starts (at 1%) and stops (at 0%) the machine. Adjust by pressing 'UP' or 'DOWN' touchpads.

OUTPUT: Select either 'constant' or 'timed' output. If 'constant' is selected the machine will permanently generate fragrance. If 'timed' is selected the machine will generate a fragrance at predetermined intervals. Adjust this by pressing 'UP' or 'DOWN' on the touchpad. When the timer is selected a fourth LCD line will appear. It will show 'duration' which is the length in time the fragrance will generate. 'Interval' is the time between bursts for fragrance, shown in minutes. Use the 'mode select' to choose your preferred option then adjust each by pressing 'UP' or 'DOWN'.

NB: The volume can be adjusted whilst the machine is in use. Cursor must be removed from the LCD screen before the machine will operate. The machine will remember the previous settings when next powered up. For most operations 50% volume is sufficient and will provide quiet running. Higher volumes may be needed for larger areas, or use with a ducting adaptor or air-conditioning systems.



Fig 1. Interior Aroma Machine



Fig 2. Interior Aroma Machine



Fig 3. Aroma jars



Fig 4. Inserting an aroma jar



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Scents:

Apple pie
Apricot
Bacon
Banana
Black coffee
Bubblemum
Butterscotch
Candy floss
Cedar wood
Chocolate
Christmas tree
Cinnamon
Coconut cream
Cola
Confectionery shop
Cordite
Cut grass
Farmyard
Fire
Fish & chips
Flower market
Freesia
Fresh bread
Fresh ground coffee
Fresh linen
Gunpowder
Indian spice
Jasmine
Lavender
Leather
Lemon & lime
Mango
Musty
Oil & steam
Orange
Passion fruit
Patisserie
Pineapple
Pink grapefruit
Popcorn
Rose
Sandalwood
Seashore
Sewer
Spearmint
Strawberry
Strong mint
Sulphur
Swamp
Vanilla
Watermelon

Remote control:

The machine may be used in the following remote modes:

Remove the remote control box. Unplug the short internal ribbon cable and connect a multicore cable with 9-way male/female 'D type' ends between the unit and the remote module. The machine may now be controlled up to a few hundred metres away.

DMX 512: Numerous machines may be controlled via this digital control system. Remove the 'remote module' blanking plate and replace with DMX module. This module connects via a short ribbon cable connector and is a self-contained unit ready to accept a DMX signal source. Full instructions will be included with the DMX controller. The DMX module may be installed whether the remote module is locked into the machine, or at another location, using the 9 way 'D' connector cable.

NB: When the remote module is away from the machine the essence bottle may be changed by lifting the solenoid plunger / essence cap manually. For 'CE' approval purposes a screened cable must be used between the remote control box and the machine.

Hanging bracket:

This allows the machine to be suspended and attaches to the twin mounting bracket threads on the side of the machine. Suspension is via a central 10mm mounting hole. The hanging bracket kit allows the machine to be tilted up to 45° each side of the vertical.

Ducting adaptor:

This attaches onto the three mounting points on the back of the machine and allows the airflow through the ducting to be easily connected. It can be rotated through 360° and the bellow unit is a tube extension to allow the attachment of either 100mm or 4" tubing for injecting the aroma into air-conditioning / ventilation ductwork / piping.

Hints and tips:

The connections are polarity conscious; the neutral and live connection must be in the correct positions for the unit to function correctly. This is particularly important when used with Shucko connectors.

The essences used with the machine are very concentrated, even the slightest drop spilled inside the machine will cause degradation of other essences; extreme care should be taken to prevent this from happening. Do not tilt beyond 45° from each side of the vertical.

Do not store the machine in its side.

Do not allow contamination of the solenoid plate / gasket which caps the bottle.

The machine needs suitable space around it for air movement.

Remove the essence bottle and reseal if the machine is being moved or returned. If any essence is spilled inside the machine please inform MTFX. Depending on the level of spillage an additional cleaning charge may apply for cleaning the machine.

Please return all essence bottles with the machine.