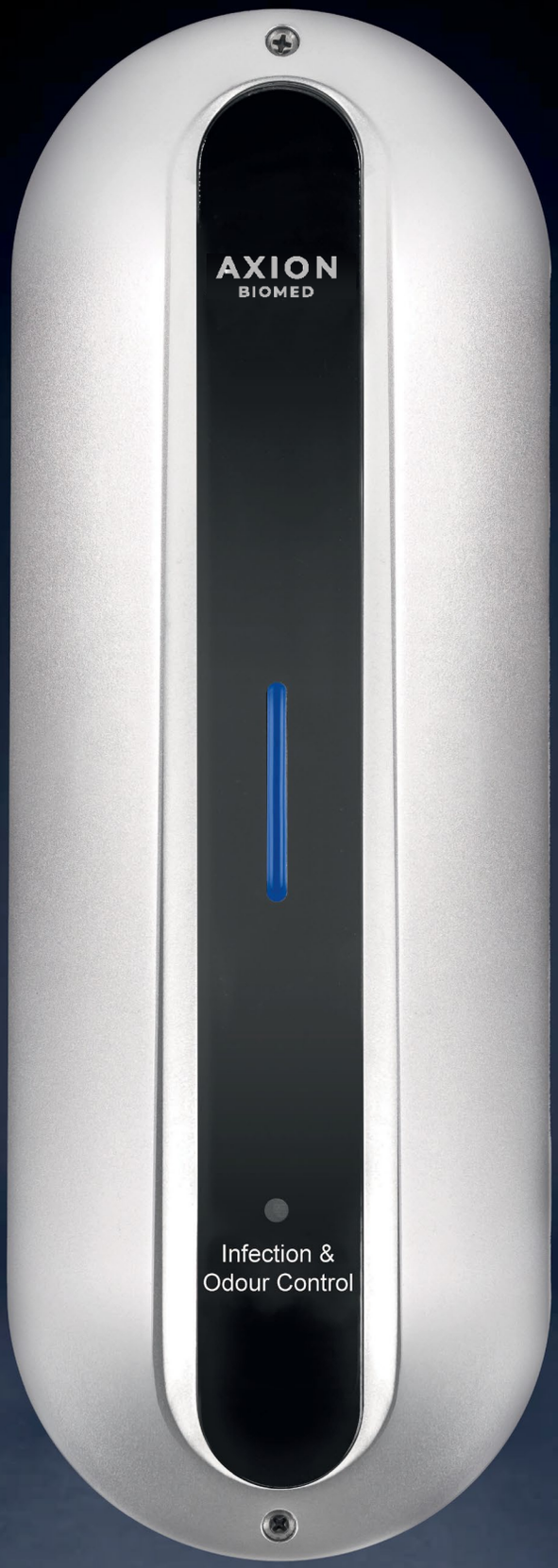


ULTRA RANGE

THE MOST ADVANCED HYGIENE TECHNOLOGY IN THE WORLD

AXION
BIOMED

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AXION BIOMED

ULTRA RANGE
Air Care

HYGIENIC AIR AND SURFACE PROTECTION



REMOVE ODOURS, CONTROL INFECTION & IMPROVE HYGIENE

- Reduces harmful viruses
- Circulates fresh clean air
- Breaks down unwanted bacteria
- Attacks odours at their source
- Removes unhealthy microbes from the air
- Makes every room smell freshly cleaned
- Maintains sanitised surfaces
- Stops mould and fungi growth
- Clears smelly compounds in the air 24/7

› HYGIENE PROBLEMS

In enclosed spaces, lingering unpleasant odours are an embarrassing problem. Airborne microorganisms create offensive odours, spread infections and compromise hygiene standards, bacteria breed so quickly they cannot be cleared with traditional cleaning. Masking odours can create a more unpleasant environment.

Axion's air reactor constantly kills both bacteria and viruses, destroying unpleasant odours and unhealthy volatile organic compounds. Its technology has been tested by multiple laboratories.

Designed to have the highest micro-organism control capabilities, combined with greater flexibility for alternative environments, servicing reminder system and low power consumption.

Ultra range units have achieved UL and CARB certification in North America alongside CE and UKCA marking.

- Fan operation distributes purified air throughout
- Indicator shows when annual lamp change due
- Flexible use, wall or ceiling mounted, or portable
- Easily plugged in or hardwired
- No filters to change

› ODOUR AND INFECTION CONTROL

The Ultra range can be operated in all internal environments 24/7 with the correct lamp.

The wide selection of specialist Axion UV lamps allow the flexibility to protect the smallest office area or eliminate odours and elevate hygiene in the largest commercial washrooms.

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ADVANCED TECHNOLOGY, USED BY THE BEST PROFESSIONALS IN THE BUSINESS

Power must be disconnected before attempting any servicing and only undertaken by a competent individual.

All global Axion air reactor partners have fully trained engineers to carry out all servicing work. The hull can remain permanently in place (wall or ceiling mounted) or be easily removed via keyhole mountings.

Changing unit lamp and battery on an annual basis maintains performance and ensures unit and lamp reminder system operates correctly.

FIG . 1 FIG. 2 FIG . 3 FIG . 4 FIG . 5



FIG. 1 - Front cover fixings, FIG. 2 - Keyhole mountings, FIG.3 - Battery for annual lamp reminder
FIG. 4 - Unit operation indicator, FIG.5 - Lamp change reminder indicator

TECHNICAL DETAILS

Ultra Unit Dimensions	Construction
390mm (l) x 136mm (w) x 94.5mm (d)	Polycarbonate body
Power Supply	**Weight**
220-230V or 115v, 22 watts	1.5kg
Set Up	**Operation**
Wall or ceiling mounting. Easy marking and fixing at three points.	Continuous, indicated by blue lamp. Requires annual lamp/battery change.

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PHOTO CATALYTIC OXIDIZATION POWERPACK UNIQUE TO AXION BIOMED



› OPERATION AND SAFETY

The unique balance of technology used by Axion air reactors has been tried, tested and refined over many years to ensure the best achievable results with every unit supplied.

- Due to the unit design, UV light cannot escape the unit from any angle making it completely safe.

- Optional ozone can be included to resolve odour issues, all levels used are substantially below the most stringent emissions regulations around the world.

- All electrical connections enter at the rear and are completely shielded removing the risk of potential injury.

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› HOW AXION'S TECHNOLOGY WORKS

A combination of technologies working together:

Internal

- **Germicidal Irradiation** by dual UV light (Ultraviolet) kills microorganisms (bacteria, viruses and mould) by disrupting their DNA and removing their reproductive capabilities.

- **PCO – Photocatalytic Oxidation**, UV reacts with our Catalyst (Ti02) to form highly reactive but short lived oxidising Hydroxyl Radicals (OH) which break down Volatile Organic Compounds (VOCs) as well as other contaminates.
- Interaction of the Dual waveband UV with the TiO2 heterogeneous catalyst both creates and breaks down Oxygen molecules transforming Oxygen into a highly reactive states of Ozone and Superoxide Ions which leave the unit as **"Plasma Quatro"**.

Transmitted Technology

-The negatively charged **Superoxide Ions** charge airborne contaminates causing them to cluster together and fall from the air as they become too heavy, aiding all other processes. This can remove airborne particulates down to 0.001 microns.

- **Targeted Ozone** (if required) is produced via the specialist lamp, this boosts distribution of the purified air, ensuring contaminates are cleared throughout the area. Ozone also destroys unpleasant odours and creates a fresh pleasant smell.