

WAD C 100 & 150 BluRay

WARM AIR DEHUMIDIFIER FAN

Kitchens & bathrooms



ABOUT THE WAD FAN - bluRay

The Warm Fresh Air Dehumidifier for kitchens is an automated fan designed for both kitchens and bathrooms. It features dual functions of air intake and extraction, with the added benefit of warming the fresh external air as it enters the building. This unique feature is available through a single external vent. You can choose between a 150mm or 100mm fan vent, with the 150mm option being preferred for kitchen and utility installations.

FEATURES AND BENEFITS

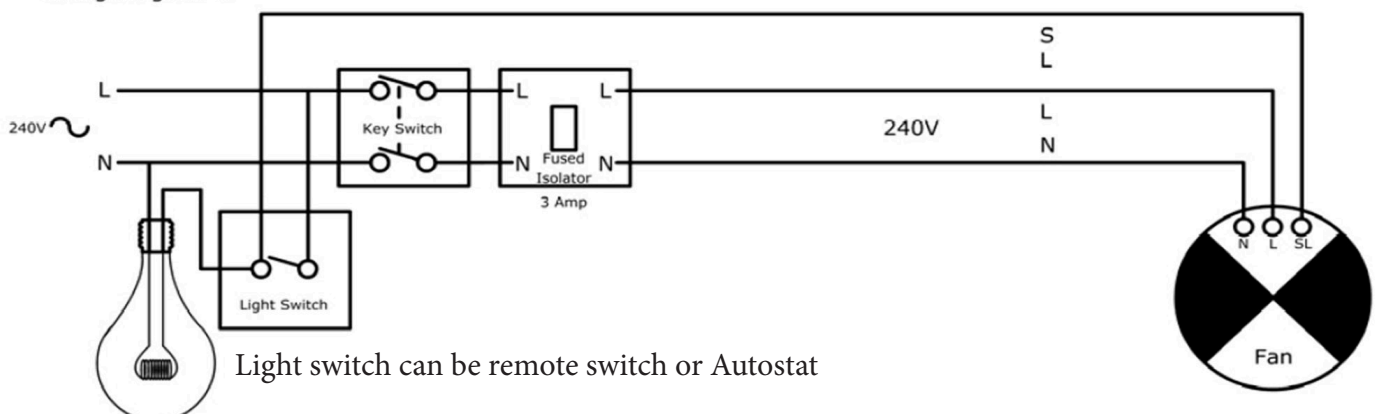
The Fully Automatic Warm Air Dehumidifier is a comprehensive solution for your home, providing conditioned and filtered air to enhance comfort. It introduces slightly warmed, dry, fresh air, reducing moisture and creating a drier environment that extends beyond the kitchen into your entire home. During occupancy, it actively extracts moisture-laden air as needed, operable via a light switch or an optional Remote Autostat.

This positive pressure system works best in tandem with an extraction solution in another room or basement. It simplifies installation by eliminating the need for additional ductwork, as it propels air through internal doors, dispersing it centrally within your home. The integrated 200-watt heater activates only when external temperatures drop below 14°C and is unnecessary during extraction.

Equipped with the Autostat humidity controller, this device diligently monitors ambient humidity, fine-tuning its settings for optimal performance. Energy-efficient and cost-effective, the fan operates continuously, with a range of 0 to 60m³/h.

Installation is versatile, allowing for mounting in any direction on walls or ceilings. The unit is encased in a durable polycarbonate ABS mix with fire-retardant properties, ensuring a robust and heat-resistant shell. It boasts IP54 certification, protecting against water splashes. The following wiring diagram is suitable for a bathroom installation of a BluRay fan.

REMOTE LIGHT SWITCH OVERRIDE ON (240V FAN)
Wiring Diagram 3



SPECIFICATIONS

INPUT

Input Voltage	220-240V 50Hz
Fan Input Power (trickle)	4.5W
Fan Input Power (boost)	6.5W
Heater	200W
Earth Leakage	Class II construction, no earth

PERFORMANCE

Air Flow (intake)	80m ³ /hr max
Air Flow (extract)	140m ³ /hr max
Static Pressure	75 Pa
Acoustic Noise	Input 38 dB(A) Extract 34 dB(A)
Life Expectancy	>50,000 hours
Specific Fan Power	0.2 W/(l/s)
Protection	Locked rotor automatic restart

PART NUMBERS

WAD 100
WAD 150

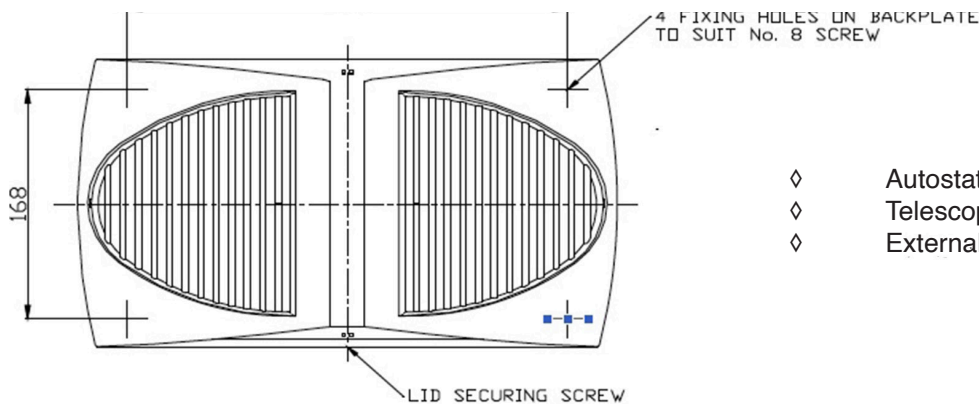
Warm Air Dehumidifier fan, integral 200W heater, internal Autostat smart humidity Recommendation: Override controls for extract, connect to light switch for bathrooms and within kitchens use remote Autostat IV or manual override switch

GENERAL

Operating Temperature	-10° to +40°C
Storage Temperature	-15° to +40°C
Weight	3.5kg
RoHS Compliance	Yes
Optional extras	Remote Autostat

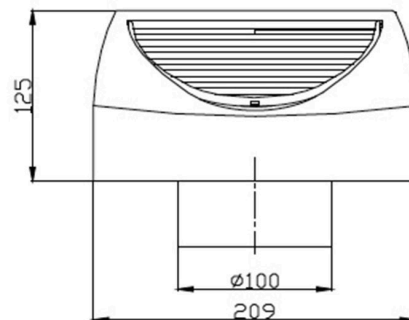
MECHANICAL

Housing Material Mix	Polycarbonate ABS
Impact strength	390 J/m (ASTM D790)
Flammability	1.0 E, 300 hours, ASTM
UV Resistance	UL94 V-0 (2.10mm)
Flame retardant	Non-halogen
Heat distortion	130°C



Accessories

- ◇ Autostat IV: Recommended
- ◇ Telescopic Wall Sleeve 100 or 150mm
- ◇ External Grille for 100 or 150mm



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