

# 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 kitchen and Bathroom fan, with dual actions of both intake and extraction of air, with the benefit of taking the chill off the fresh external air when it is drawn into the building. This unique feature is available using a single vent to the outside, Choose 150mm or 100 mm fan vent to fit on to an existing. 150mm being the preferred for kitchen and utility instalations

### FEATURES AND BENEFITS

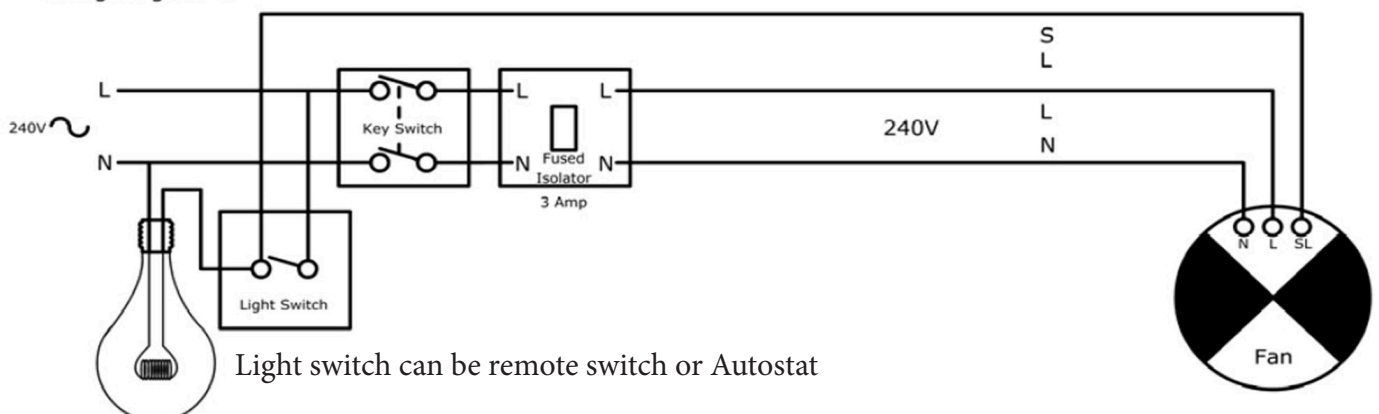
The Fully Automatic Warm Air Dehumidifier is an all-encompassing solution for your home, delivering conditioned and filtered air that enhances comfort. It introduces slightly warmed, dry, fresh air, reducing moisture and creating a more arid environment that permeates beyond the kitchen into your dwelling. During occupancy, it actively extracts moisture-laden air as needed, operable via a light switch or an optional Remote Autostat.

This positive pressure system is best used in tandam with an extract solution in a different room in the home/basement , it also 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.

Featuring the Autostat humidity controller, this device diligently tracks the ambient humidity, fine-tuning its settings for optimal performance. Energy-efficient and cost-effective, the fan operates continuously, ranging from 0 to 60m<sup>3</sup>/h.

Installation is versatile, with the ability to mount 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, safeguarding against water splashes. The following wiring diagram suita a bathroom instalation of a BluRay fan.

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



Light switch can be remote switch or Autostat



# 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 <sup>3</sup> /hr max
Air Flow (extract)	140m <sup>3</sup> /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

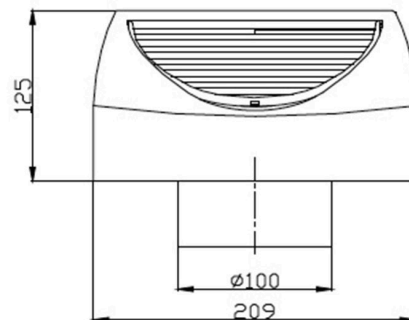
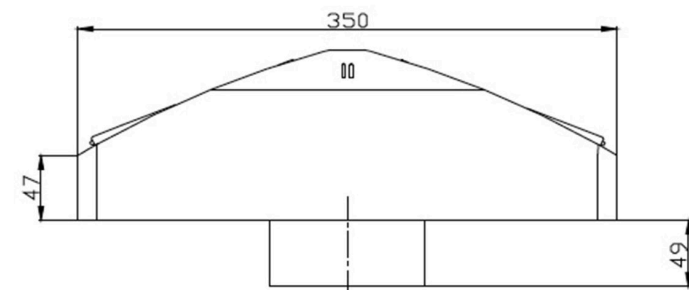
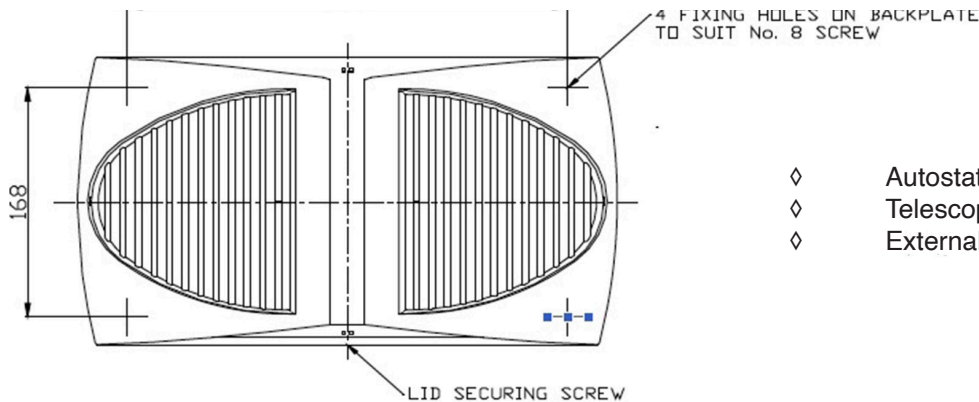
Warm Air Dehumidifier fan, integral 200W heater, internal Autostat smart humidity Recommendation: Override controls for extract, connect to light switch for bathrooms and within kitchens use remote Autostat IV or manual override switch

## 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	UL94 V-0 (2.10mm)
UV Resistance	1.0 E, 300 hours, ASTM
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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