

Orion® Dew Zapper™

- #3515** 12v DC for 5" SCT
- #3513** 12v DC for 6" Orion Argonaut
- #3503** 12v DC for 8" SCT
- #3506** 12v DC for 10" SCT
- #3512** 12v DC for 11" SCT

Congratulations, you now own the most effective dew prevention system available for Catadioptric telescopes! Your Orion Dew Zapper provides continuous protection against dew, so you'll never have to stop observing to remove view-obscuring moisture from the telescope's corrector lens. And the Dew Zapper won't create "heat wave" disturbances like those caused by hot air blowers and heated dew caps.

An unprotected corrector lens will radiate its heat away, quickly cooling to below ambient air temperature, allowing dew to form. The Dew Zapper gently replaces lost heat and brings the corrector lens temperature back up to just above air temperature, preventing dew formation. It can be used by itself or in conjunction with a lens shade/dew cap.

Installation

Wrap the Dew Zapper's heating element band around the front cell casting that holds the telescope's corrector lens in place. Secure the band to itself with the Velcro fastener. If you are using the Dew Zapper with a lens shade, position the heating element on the telescope tube just behind the front cell casting.

For the best heat conduction, be sure the heating element makes complete contact with the metal; avoid screws or bumps. For fork-mounted SCTs route the cable over one fork arm to avoid tangling the cord as the telescope is moved. Cord length is 10 feet.

12-Volt Operation

All models are designed for 12-volt DC operation. The plug fits any standard car lighter receptacle, or can be hooked up directly to a 12-volt power source that has a capacity of 10 amp-hours or more. The Dew Zapper consumes more power than most drive motors. Typically, a normal car battery should provide plenty of power to run the Dew Zapper and a telescope drive system for a full night of observing.

Using the Dew Zapper

The Dew Zapper should be used before dew forms on the front corrector lens of your telescope; it will prevent dew from forming on the optics for as long as it is in use. If dew has already formed on the corrector lens, then it is too late to use the Dew Zapper effectively. Try bringing the optics indoors to dry out or use a hair blower to clear the moisture from the optics. Once the dew has been removed, the Dew Zapper can be properly employed to prevent further moisture from fogging the view.



Specifications

5" 12v DC Model #3515

Heat Output: 20 watts
Input Current: 1.7 amp

6" 12v DC Model #3513

Heat Output: 20 watts
Input Current: 1.7 amp

8" 12v DC Model #3503

Heat Output: 20 watts
Input Current: 1.7 amp

10" 12v DC Model #3506

Heat Output: 20 watts
Input Current: 1.7 amp

11" 12v DC Model #3512

Heat Output: 20 watts
Input Current: 1.7 amp

 **ORION®**
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