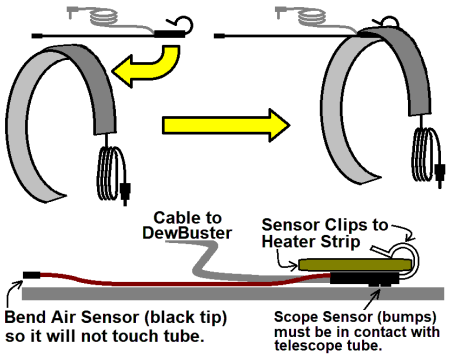
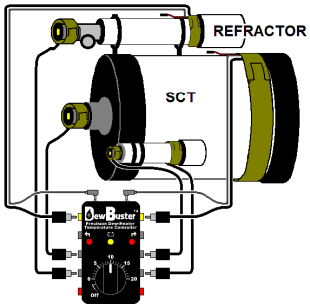
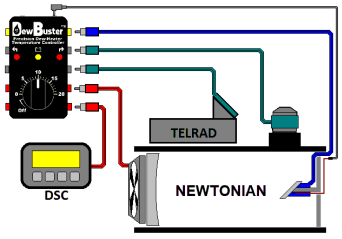
DEWBUSTER™ CONTROLLER QUICK-START GUIDE

EXTRAS YOU WILL NEED:

- 12V DEW HEATERS to fit your optics (Dew-Not, Kendrick, etc. or built with www.dewbuster.com instructions).
- POWER SOURCE - 12V Battery or 13.8VDC Power Supply with enough Amps for your heaters.
  CAUTION: Attempting to power a dew controller from your telescope mount's power output will damage your telescope!







FIRST TIME SETUP:

- If using a Newtonian Sensor, install instructions included with sensor.
- On all other telescopes, clip Temperature Sensor to heater as shown so black band will be against telescope, then place heater around tube, just behind Corrector Plate Casting or Refractor Dew Shield (heat must be applied behind lens). Heater must make full contact with telescope tube so pass it under any dovetail bars. Schmidt-Cassegrains require a dew shield to reduce heat loss to night sky.
- Plug Temperature Controlled heater into yellow Temperature Controlled heater output jack and plug Temperature Sensor into top input jack on same side of DewBuster™ Controller.
- Heater strips without sensors should be plugged into black Medium Power heater output jacks.
- Connect DewBuster™ Controller to your power source.
- If using the 12V Accessory Outputs, center terminal of RCA plug is positive (+). **Before plugging-in 12V accessories**, turn on DewBuster™ Controller and verify that red LED's are illuminating which confirms that battery polarity is correct.
- If using an AstroSystems Dew Guard, it needs steady 12V power so plug it into a red 12V Power output jack, not a heater output.

OPERATION:

- First time users should set Control Knob to 5 (10 for large SCT's or refractors). If no dew forms on first night, try a lower setting each subsequent night until you find the lowest setting where dew never forms. If dew forms, unplug sensors and turn Control Knob fully clockwise until dew clears, then use a slightly higher setting.
- Yellow Battery Warning LED should not illuminate if power source is 11 to 15 Volts DC and can deliver the Amps needed for your heaters.
- If a Temperature Sensor is being used, red LED for that side will be ON when telescope is warming up, BLINKING when telescope reaches the Control Knob setting (°F warmer than the air), and OFF when telescope is too warm.
- If no Temperature Sensor is used, the Temperature Controlled output on that side will operate at a fixed "Medium Power" rate (40% heat) and LED will blink at a steady rate.
- The black Medium Power outputs operate at a fixed 40% heat rate. Although they have no dedicated LED, momentarily unplugging a Temperature Sensor switches that side to Medium Power revealing the blink rate.
- If no Temperature Sensor is being used, turning Control Knob to 15 or higher will increase Medium Power heat rate gradually from 40% to 100% which can be observed by LED blinking ON longer and longer.

Visit **www.dewbuster.com** for the full **Owners Manual,** my **Frequent Questions** and **Technical Support** web pages filled with useful information, and use my **Contact Me** form to email me with your questions.

WARRANTY AND TECHNICAL SUPPORT:

Your DewBuster™ Controller is warranted to the original purchaser for 5 years from the date of purchase. If you have any problems contact me at:

Ron Keating
269 St. Andrews Blvd., Laplace, LA 70068
or go to
www.dewbuster.com and click on CONTACT ME to send me an email.

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