



## INSTRUCTIONS

### DBS-1000 PHOTO-ELECTRIC CONTROL

The Photo-Electric Control is used to activate the day/night temperature changes. The Photo-Electric Module will respond to all forms of light, artificial as well as natural daylight. The Photo Module draws all the power it needs from the DBS-1000. If the vivarium's lighting is being controlled by a timer, the Photo-Module can be placed outside the vivarium where the "timed light" will influence it. To synchronize the temperature drop with the natural length of day, place the Photo-Module on or near a window, so it will be influenced by natural light changes.

**INSTALLATION:** Connect the Photo-Electric Module by plugging the 6-wire phone cord into the phone socket on the DBS-1000. Position the Photo-Module in the desired location. If the red indicator light on the Photo unit is illuminated, you know that sufficient light is falling on the unit for the "Daytime" temperature setting. When you turn the lighting off the red indicator light should go out, indicating that the Control System is at the "night" temperature setting. You may also have to turn off the room lights for the "night" condition. The Photo-Electric is quite sensitive and some experimenting may be necessary to find the best location. An adhesive pad is provided to secure the unit once a suitable location is found.

**TESTING:** With the Control System and Photo-Module connected and exposed to light, verify that the red indicator light on the Photo-Module is ON. Press the button on the DBS-1000 for 1-2 seconds and let up, the set point value will flash twice, verify that temperature is the desired Day temperature.

Cover the "window" (located next to the indicator light on the Photo Module), the red indicator light on the photo-Module should go out. Again press the button as before and verify the night temperature setting. When the DBS-1000 switches to a lower temperature setting, the green "Power Output Level" light on the DBS-1000 will go out, indicating that no more heat will be supplied to the heater until the temperature probe reaches the lower temperature setting.

On outdoor Tortoise Houses, (in warmer climates), the N/D feature can be reversed to allow for the Day temperatures to be low and the night temperatures higher to save heating costs when the animals are out of their house. To reverse the N/D effect: Adjust the DBS-1000 temperature settings with regard to the lighting condition. With the Photo-Module's red light ON, adjust the temperature to low power saving temperature, with the red light on the Photo-Module OFF, then adjust the temperature for the higher night temperature.

**NOTE:** If the green light dims or doesn't go out right away, press the button on the DBS-1000 for 1-2 seconds, then perform the test as above.