

Piano LIFE SAVER SYSTEM[®]

The Smart Bracket

for the Humidifier

The two **Humidifier pads**, which must drape across the heater bar, are critical to the Humidifier's operation (**Figure 1**). Designed to wick water over the heater bar, Humidifier pads produce warm, moist air currents which rise and are circulated throughout the piano.

The Smart Bracket (SB) was developed to eliminate uncertainty as to when to change Humidifier pads. When Humidifier pads dry out and no longer wick water, the red SB light, marked **PADS**, blinks. The SB also shuts off the Humidifier heater bar so it does not dry the piano when the Humidistat is calling for moisture.

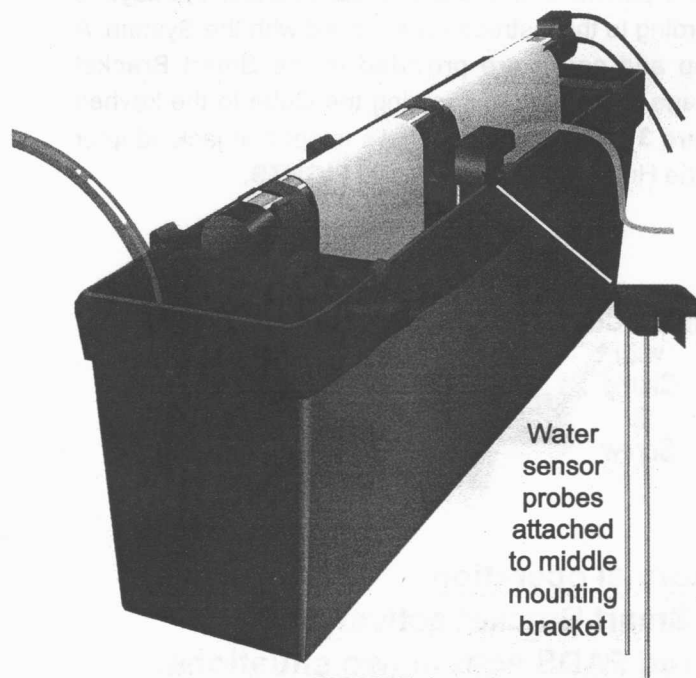


FIGURE 1

Humidifier with pads and Smart Bracket installed

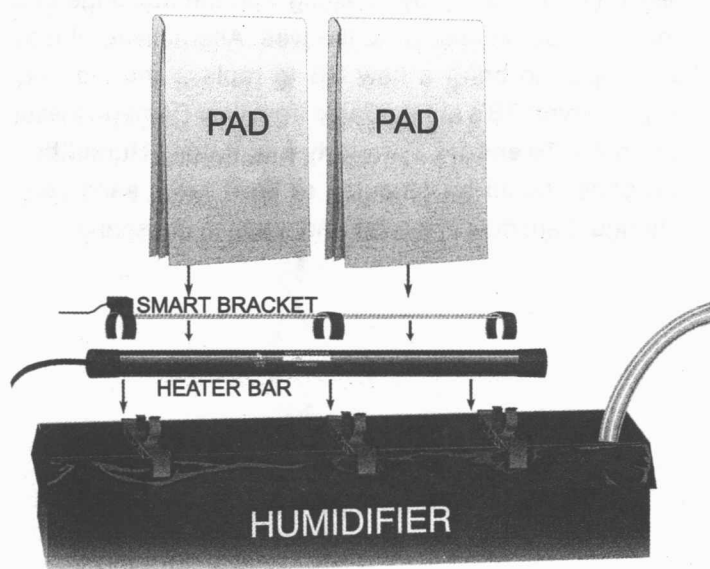


FIGURE 2

Installation of the Smart Bracket

The Smart Bracket (SB) must be installed with the two sensor wires on the top of the Humidifier heater bar (**Figure 2**). To attach the sensors to the heater bar, slide the C clips on the sensors into the positions shown in **Figure 2** and press firmly downward. Place the Humidifier pads across the heater bar and be sure each pad touches both sensor wires (**Figure 1**). This orientation allows the wet pads to complete an electrical circuit between the two wires. With the SB sensors mounted on the heater bar, plug the SB's phono jack adaptor into the Humidistat outlet marked **SB/PADS**.

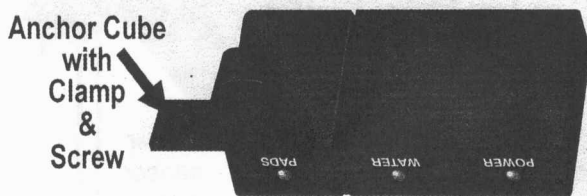
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Light Panel Installation

Each Piano Life Saver System which includes a Humidifier also includes the two-light panel (**Figure 3**). The Smart Bracket includes a single-light cube. The cube's red light, marked **PADS**, will blink if Humidifier pads fail.

It is necessary to connect the single-light cube to the two-light panel by inserting the tongue-latch and two prongs (on the side of the single-light cube) into the corresponding openings on the two-light panel. Insert the metal prongs first while firmly pushing the panels together. **NOTE:** The tongue-latch is slightly bent to create a snug fit between the two panels. Mount the light panel under the keyed according to the instructions supplied with the System. A clamp and screw are provided in the Smart Bracket package to be used in securing the Cube to the keyed (**Figure 3**). Plug the light panel's telephone jack adaptor into the Humidistat outlet marked **LIGHTS**.

FIGURE 3



In normal operation, the Smart Bracket activates the red PADS light in two situations.

1 When Humidifier pads are old, they fail either due to growth of microorganisms or due to mineral deposits. If this is the case, the Humidifier pads need to be changed. Replacement Humidifier pads are available from Piano Life Saver distributors or from Dampp-Chaser Corporation (800-438-1524).

2 The Humidifier pads also can fail when the Humidifier is allowed to go dry. In this situation, the red **PADS** light will blink along with the yellow Water Sensor light marked **WATER** (**Figure 4**). Here, water needs to be added to the Humidifier. Then, the yellow Water Sensor light will shut off immediately, while the red **PADS** light will shut off in a few minutes as the Humidifier pads begin to wick water again.

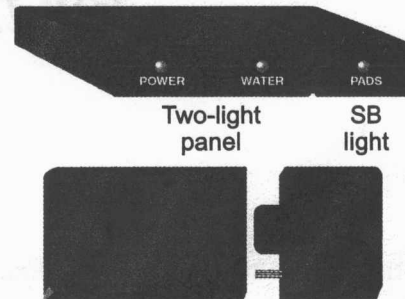


FIGURE 4

The Smart Bracket's single-light cube is joined to the two-light panel

Smart Bracket Care and Maintenance

The two sensor wires on the Smart Bracket can sense whether the pads are wicking water only if the wires are kept free from corrosion. During pad changing, remove the Bracket from the heater bars. Remove the mineral residue on the wires by scraping with the dull edge of a knife held perpendicular to the wire. Alternatively, it may be simpler to bring a new SB to replace the old one. Replacement SB's are available from your Dampp-Chaser distributor. **To ensure a properly functioning Humidifier:** the pads should be changed at least twice each year. Change them during the fall and again in the spring.



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