

Instructions for Model **SS-2100 Water Alert**®

(Model **XSS-2100** when using optional Sensor Cable)

Water Alert detector used to tie-into all Dorlen® Series 2100 Monitors



- Used in applications where a Dorlen Series 2100 Monitor / Power Supply is desired.

Powering options -

- Powered from Monitor
(Pg. 11- catalog)

Audible alarm -

- 85db @ 3 feet

Relay contacts -

-None

Power draw -

- 20ma @ 9vdc (activated)

Warranty -

- 5 Year Limited, Made in USA.

PRINCIPLE OF OPERATION

Refer to Figure 1. The SS-2100 is activated by liquid bridging the adjustable sensors (A & A). The unit can detect water film from zero height, (sensors turned out to make contact with the floor), to 1/8" height, (sensors turned all the way in). The units are factory adjusted to activate with 1/32" water film height which is satisfactory for most applications. The pads B1, B2, B3 provide a gap between the case and the surface to admit water under the unit for detection. CAUTION: If the pads are removed, the unit may form a seal with the surface and prohibit the sensors from detecting water. If desired, the self-adhesive pad feature may be used by peeling off the thin protective layer from each pad. The unit will remain in place when located on the mounting surface. Replacement pads are available from Dorlen at no charge.

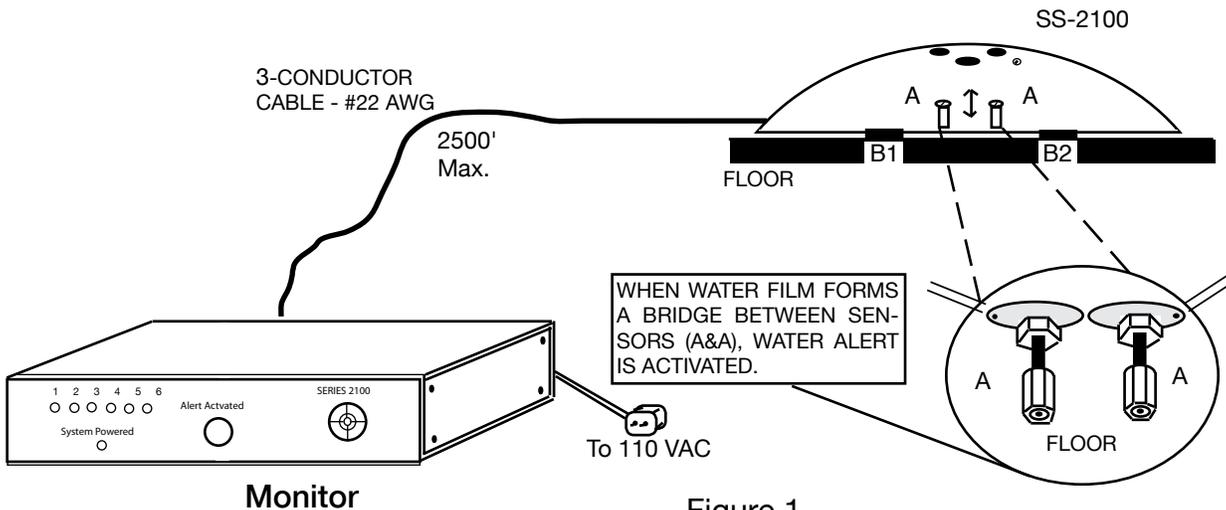


Figure 1

NOTE

Although the two sensors (A & A) may be adjusted to make contact with the surface, it is recommended that a small gap be set between the sensors and the surface so undesired activation, caused by dampness or dirt film, does not occur.

If you have installation questions, call **toll free 1-800-533-6392**

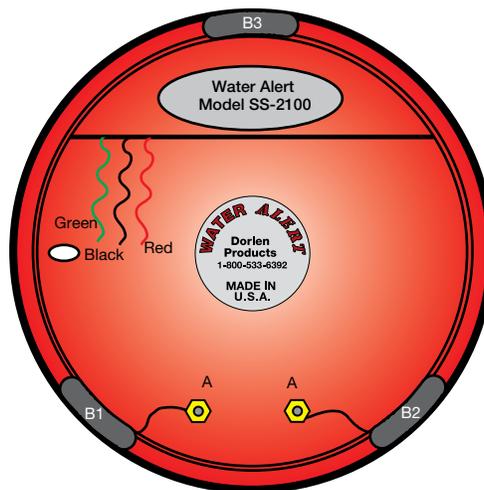
Model SS-2100 INSTRUCTIONS

SETUP AND ADJUSTMENTS

1. To adjust sensor height, hold straight edge across pads (B1 & B2). Turn sensors (A & A) till distance to straight edge equals the desired water detection level. See Figure 2.
2. Connect the 3 Water Alert pigtail leads to the 3 conductor cable connecting to the terminal strips of the Monitor. (Run cable thru 1/4" hole in Water Alert housing.) The green pigtail (signal) goes to terminal "G", of the Monitor, the black pigtail (common) goes to terminal "B", and the red pigtail (power) goes to terminal "R". See drawing #A-9703.
3. IMPORTANT: When connecting leads with wire nuts, twist the leads together, then screw on wire nuts for a tight mechanical connection. Tuck leads neatly into the unit.
4. Test unit by touching wet fingers to both sensors. The buzzer should sound, and remote unit should activate.
5. Position unit in desired location and retest it by placing wet fingers across the heads of two screws on which the sensors are mounted.
6. When activated, the unit will produce a signal that is on for 2-3 seconds and off for 10-15 seconds.
7. To stop the signal shake the entire unit to break the water bridge between the sensors. Dry off the sensors if they are excessively wet.



Not For Explosive Environments!



BOTTOM VIEW

FIGURE 2



MADE IN USA

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