

Instructions for Model **SS-1 Water Alert**®

(Model **XSS-1** when using optional Sensor Cable)

Water Alert detector provides local and remote alarms when activated.



- Used in applications requiring a single detector and remote alarm. Often used in noisy or unattended areas.

Powering options -

- 9v Alkaline Battery (Qty.2)
- PS-3 Power Supply (Pg. 25- catalog)
- Voltage Module (Pg. 26- catalog)

Audible alarm -

- 85db @ 3 feet
- 1.5 day alarm duration
(Battery Operation)

Remote alarm -

- 85db @3 feet w/ silence switch
- 9/16" Red lamp
- Wall Mounted 6"x3"x2" enclosure
- 50' Cable included

Power draw -

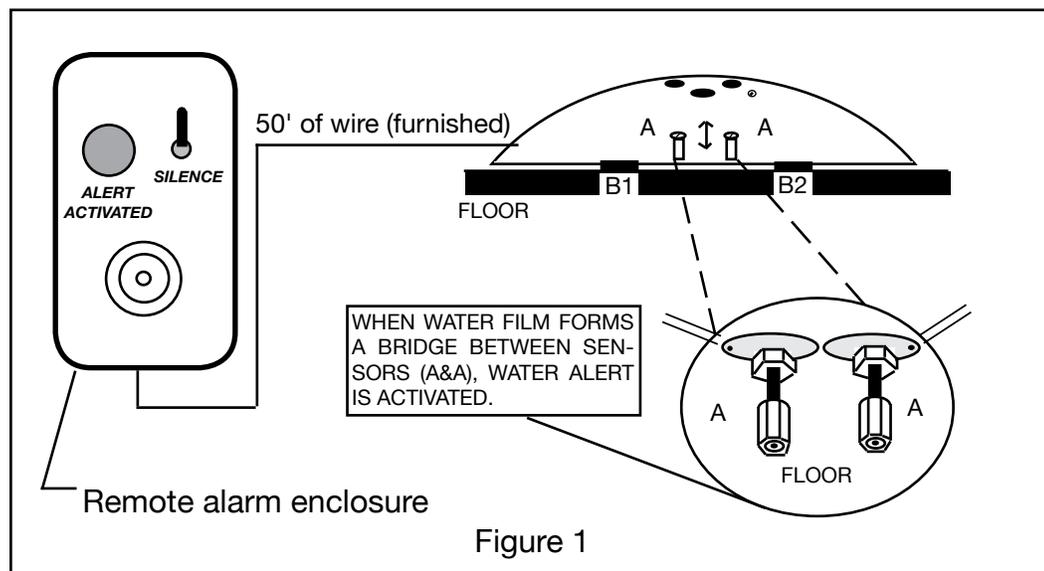
- 40ma @ 9vdc (activated)

Warranty -

- 5 Year Limited, Made in USA

PRINCIPLE OF OPERATION

Refer to Figure 1. The SS-1 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.



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-1 INSTRUCTIONS

SETUP AND ADJUSTMENTS

1. To adjust sensor height, hold straight edge across pads (B1 & B2). Turn sensors (A & A) out or until distance to straight edge equals the desired water detection level. See Figure 2.
2. Connect battery leads (E) and (E') to terminals of batteries (C) and (C'). Then insert the batteries into retainer clips. Then connect red wire(+) and black wire(-) from remote alarm enclosure to + and - of water alert with wire nuts supplied.
3. Wait ten seconds, then test unit by touching wet fingers to both sensors(A-A). **The unit should activate.**
4. Fasten remote alarm enclosure in desired location using screws and inserts supplied, 1/4" holes required (F-F-F-F). Position Water Alert in desired location and retest it by placing wet fingers across the heads of the two screws on which sensors are mounted **The unit should activate.**
5. When activated, the unit will be in alert condition for 2-3 seconds and turn off for 5-7 seconds to conserve battery resources. To silence enclosure, use locking silence switch (pull switch handle, then transfer down).
6. To reset the unit, simply remove it from water. If necessary, dry off the sensor area if it is excessively wet (if the unit was submerged).

BATTERIES

1. Two 9-volt alkaline batteries (NEDA size 1604A) are required. Approximate alarm duration time (after one year monitoring) is 1.5 days.
2. The Alkaline batteries should be replaced once a year. If the unit is activated often, the batteries might need to be replaced sooner.
3. Whenever the batteries are replaced, it is a good practice to wipe clean the top surface of the Water Alert and its sensors.
4. A Dorlen Power Supply, such as the PS-3, may be used in place of batteries. If so, follow the furnished instructions for wiring.



CAUTION

Not For Explosive Environments!

NOTE
Do Not Use Batteries
Other Than Alkaline!

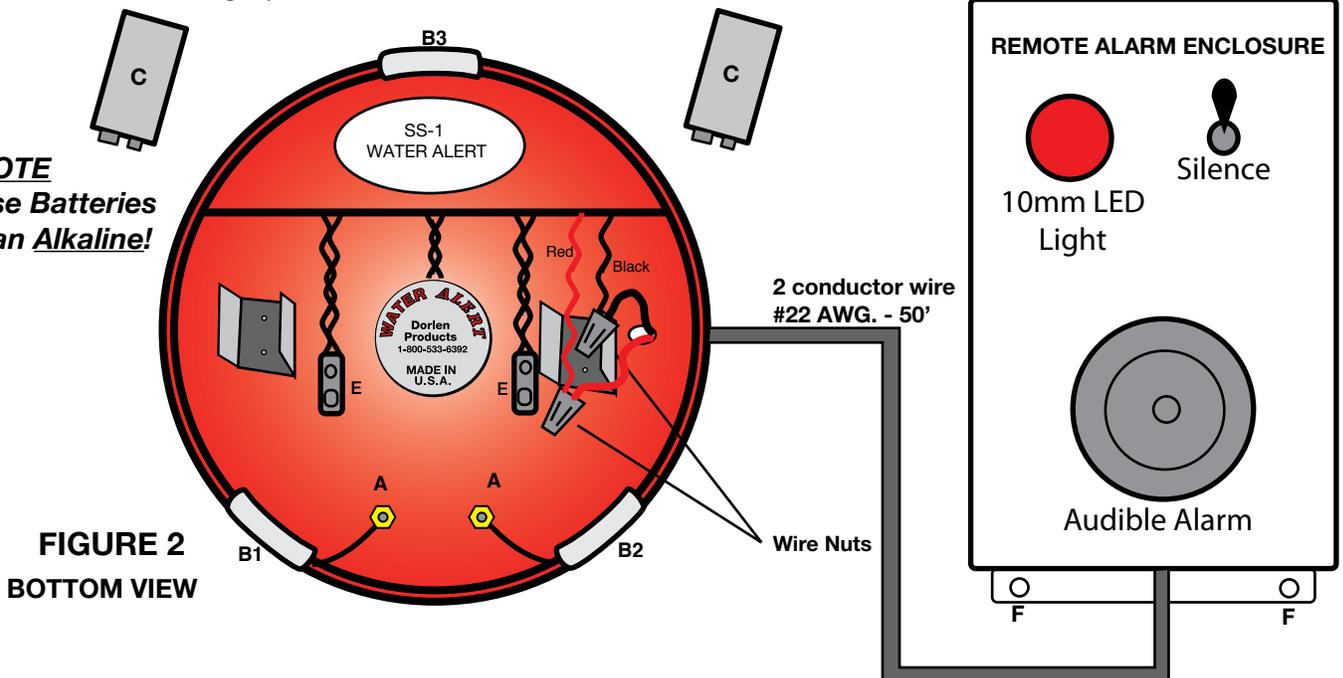


FIGURE 2
BOTTOM VIEW



Dorlen Products

6615 West Layton Avenue, Milwaukee, WI. 53220
Phone: 414-282-4840 Fax: 414-282-5670 E-Mail: Dorlen@execpc.com

www.wateralert.com