120V • Exterior Holding Tank Alarms

⚠ Do not use in Hazardous Locations

⚠ Disconnect power before product installation or maintenance.

⚠ Only switches listed for use with septic systems may be connected.
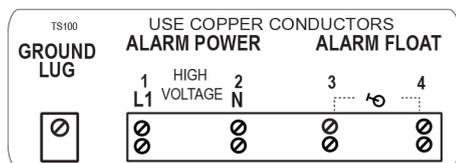
⚠ Pump Power and Alarm Power must be on separate circuit breakers.

⚠ Install this product in accordance with National Electrical Codes, Plumbing Regulations and Local Codes.

TS100 INSTALLATION GUIDE

1. Turn off power to chamber or basin.
2. Run power line (14-2 or larger) with ground to from building circuit breaker to pedestal.
3. Drill a hole for pipe nipple on the lower backside of pedestal. Once back filled, approximately half of the pedestal is exposed above grade.
4. Remove pedestal access door. Draw power line up through the pedestal bottom and through the small hole into junction box.
5. Insert the pipe nipple through pedestal & riser using locknuts provided. **(Fig. P1)**
6. Draw alarm switch cord through pipe nipple and up into junction box.
7. Attach power line to screws 1 and 2. (L1 – Hot) (N – Neutral) **(Fig. TS)**
8. Attach alarm switch to screws 3 & 4.
9. Attach bare ground wire to ground lug.
10. Seal around alarm line to deter gasses from entering junction box.
11. Turn on power to pedestal at circuit breaker panel.
12. Test alarm by lifting alarm switch. Alarm will sound. Press Test button. Alarm will sound.
13. Write your company name, your name, and phone number inside panel door.
14. Leave warranty information, and instruction sheets with owner for proper usage, specifications.
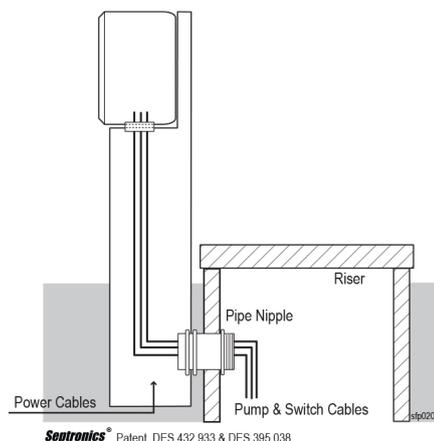
TS100NC

Note: For Normally Closed (NC) application. Tip switch downward. Alarm will sound.

(Fig. TS)

TS100
GROUND LUG
USE COPPER CONDUCTORS
ALARM POWER   ALARM FLOAT
1 L1   HIGH VOLTAGE   2 N   3   4

(Fig. P1)

Riser
Pipe Nipple
Power Cables
Pump & Switch Cables
Septronics® Patent DES 432,933 & DES 395,038

TROUBLESHOOTING TIPS FOR TS100 UNITS

TROUBLE	PROBABLE CAUSE	REMEDY
Alarm light does not work	1. 1 Amp fuse is blown. 2. Light bulb is burned out. 3. Loose wires on terminal strip.	1. Replace fuse. 2. Replace light bulb. 3. Check tightness of screw on terminal strip.
Alarm horn does not sound	1. 1 Amp fuse is blown. 2. Horn is defective. 3. Loose wires on terminal strip.	1. Replace fuse. 2. Replace horn. 3. Check tightness of screw on terminal strip.

Note:
1. Check out alarm function by using a short length of covered wire to act as a jumper. Check the alarm feature by using covered wire to jump across screws 3 & 4.
2. A small volt meter with a continuity check feature will be helpful in finding probable causes.