

ULC LISTED!

AST Audible / Visual Alarm

Your solution for the overflow protection question!

Outstanding Design Features

- * Intrinsically safe to ANSI/UL 913
- * 9 volt battery operated
- * 100 db pulsating alarm
- * Operating in temperatures as low as -40°F with lithium battery
- * Ultra low power consumption
- * Easily retrofit to existing tank
- * No conduit or wiring required
- * Test switch to check operation before filling tank
- * Adjustable Float switch
- * LED Signal flashes when alarm point is reached



1400

Part #	Size	Weight/LBS
1400-13-1000	2"	3.0

Clay and Bailey audible & visual alarm complies with NFPA 30, 30A, UFC Requirements.

1400 Installation Instructions

1. The 1400 comes pre-assembled ready to install, with a 12" pipe nipple for an alarm switch depth of 12". If this is sufficient then merely thread the unit into a 2" opening on your tank.
2. If a different alarm depth is needed, use the chart on this page to determine the proper depth for your round horizontal tank, (for vertical round tanks or rectangular tanks, simply multiply the total height of the primary tank by the percentage shut-off).
3. Loosen the four plastic screws and remove the cover on the alarm box, then disconnect the two wires running into the terminals inside.
4. Loosen and remove the float switch from the 1/8" pipe coupling, being careful not to damage the float mechanism, pull the wires through and out of the 1/8" pipe nipple.
5. Remove the existing 1/8" pipe nipple and replace with proper length.
6. Run the wires back through the pipe and into the box, connecting the wires to the terminals.
7. Check the alarm function by moving the switch to the "on" position and moving the float up to trigger the alarm. If the alarm sounds with the float in the lowered position, remove the snap ring securing the float to the switch, and reverse the direction of the float, (changing the direction of the float determines whether the alarm sounds with the float in the "up" or "down" position).
8. Test again, and reassemble the unit.
9. Install in tank.

ROUND HORIZONTAL TANK HEIGHT	% SHUT-OFF	
	90% HEIGHT	95% HEIGHT
32"	27"	28.9"
34"	28.7"	30.7"
36"	30.4"	32.5"
38"	32.1"	34.3"
40"	33.7"	36.1"
42"	35.4"	37.9"
44"	37.1"	39.7"
46"	38.8"	41.6"
48"	40.5"	43.4"
50"	42.2"	45.2"
52"	43.9"	47"
54"	45.6"	48.8"
56"	47.3"	50.6"
58"	49"	52.4"
60"	50.6"	54.2"
62"	52.3"	56"
64"	54"	57.8"
66"	55.7"	59.6"
68"	57.4"	61.4"
70"	59.1"	63.3"
72"	60.8"	65.1"
74"	62.5"	66.9"
76"	64.2"	68.7"
78"	65.9"	70.5"
80"	67.5"	72.3"
82"	69.2"	74.1"
84"	70.9"	75.9"
86"	72.6"	77.7"
88"	74.3"	79.5"
90"	76"	81.3"
92"	77.7"	83.2"
94"	79.4"	85"
96"	81.1"	86.8"
98"	82.7"	88.6"
100"	84.4"	90.4"
102"	86.1"	92.2"
104"	87.8"	94"
106"	89.5"	95.8"
108"	91.2"	97.6"
110"	92.9"	99.4"
112"	94.6"	101.2"
114"	96.3"	103"
116"	98"	104.9"
118"	99.6"	106.7"
120"	101.3"	108.5"

