

## ADS Outalarms

Automated Design Service, Inc. (ADS) is now operating as Dixon® Industrial Fluid Control to manufacture products specifically designed for liquid terminal operations. Our standard product offering is shown on the following pages. However, there are numerous additional applications, materials and custom designs available, please visit [dixonvalve.com/ADS](http://dixonvalve.com/ADS) for the latest information. Call 513.874.8499 or 877.582.3569 for technical information or assistance with ordering these products.

### ADS Outalarms with Probe

**Application:**

- specifically designed for liquid terminal operation on batch loading and overfill protection, unloading, tank cars, tanks trucks, marine barges, suitable for open and closed dome

**Features:**

- totally self-contained; no wires, tubing or external power
- rugged weather and corrosion resistant construction
- no moving parts, tip sensitive phase shift™ digital capacitance sensor for conductive and non-conductive fluid
- intrinsically safe design per ANSI/UL913 for Class I, Div I Groups A, B, C and D Hazardous Areas
- requires no calibration or adjustment
- operates up to 2500 hours on a single 9V alkaline battery
- adjustable insertion length through a standard ½" NPT fitting
- high intensity audible and flashing visual outputs
- full, hard graduated laser engraved rod
- fail safe continuous battery monitor goes to alarm state on low battery
- factory tuned to trip ¼" into liquid
- 24", 36", 48" and 60" probe lengths standard, other lengths available
- battery current drain <0.23 ma during standby; <50 ma in alarm state
- horn intensity 101 dB at 2'
- light output 3 each 3000 mcd high intensity flashing LED's
- wetted materials: 316 stainless steel, PTFE standard, other materials available
- pressure rating on standard unit: **50 PSI**, consult Dixon® for applications up to 300 PSI
- optional opto-isolated solid state contact output
- high temperature applications to **325°F (162°C)**
- low temperature option good to **-40°F (-40°C)**
- temperature range: **-14°F to 325°F (-26°C to 163°C)**

### ADS Outalarms with A100 Probe

**Features:**

- capacitance Phase Shift probe
- ½" NPT gland standard
- minimum dielectric constant 1.8
- temperature range: **-14°F to 250°F (-26°C to 121°C)**



Length	Capacitance 250°F (121°C) maximum	Hi-temp Capacitance 325°F (163°C) maximum	Conductivity for conductive fluids
12"	<b>A100C12A</b>	<b>A100HC12A</b>	<b>A100CSS12A</b>
24"	<b>A100C24A</b>	<b>A100HC24A</b>	<b>A100CSS24A</b>
36"	<b>A100C36A</b>	<b>A100HC36A</b>	<b>A100CSS36A</b>
48"	<b>A100C48A</b>	<b>A100HC48A</b>	<b>A100CSS48A</b>
60"	<b>A100C60A</b>	<b>A100HC60A</b>	<b>A100CSS60A</b>
72"	<b>A100C72A</b>	<b>A100HC72A</b>	<b>A100CSS72A</b>
84"	<b>A100C84A</b>	<b>A100HC84A</b>	<b>A100CSS84A</b>

