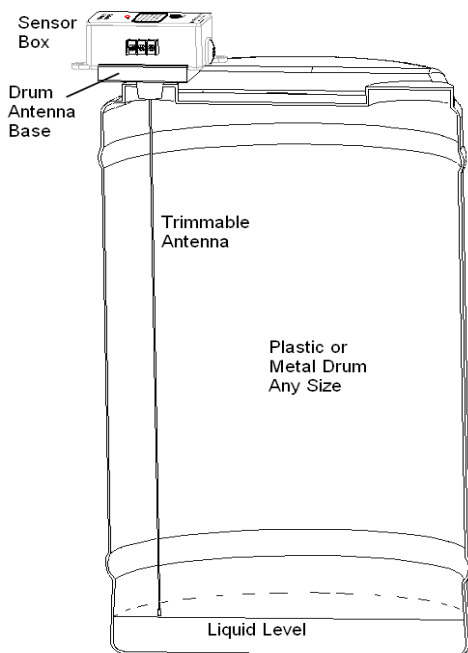


ICA Capacitive Sensor

Single Point Drum/Tank Level Monitor



For Metal or Plastic Drums and Tanks of All Sizes



Avoid interruptions or hazards resulting from unexpected outages, or over filled tanks and drums. The ICA level monitor provides single point detection of any liquid in any size pail, drum or tank, plastic or metal.

Simply insert the rubber plug on the antenna base into a standard 3/4" NPT bung hole or other 1" opening. A one touch programming button automatically calibrates the antenna for any container and contents. Works with high or low level ICA sensor boxes. The antenna cable is coated for corrosion protection, and is trimmable to any length to provide the exact detection level you need.

A unique, magnetic antenna base couples 'intrinsically' to the magnetic ICA sensor box outside the drum, w/o any electrical contacts to corrode. (see diagram to left) When the sensor box is placed on the antenna base, strong neodymium magnets clamp the antenna and sensor box firmly together. Velcro or double faced tape may be used for a more permanent attachment.

An optional ICA alarm box provides power to the sensor box, a 110 dB alarm, a 3/4" ultra bright flashing LED and 2 - 10 amp N.O. or N.C. relays to trigger remote alarms, PLCs, control transfer pumps, etc.

Features and specifications:

- Works on any liquid in any pail, drum or tank
- Rapid installation, rapid removal
- No moving parts to jam or wear out
- No false reading due to coated walls or floats
- Standard PVC coated cable resists most chemicals (other coatings available)
- Unlike ultrasonics, accurate to top of container
- One touch calibration with no draining or filling
- Can be programmed to ignore foam or bubbles
- Antenna contains no batteries, and is easily cut to desired length (PVC cap seals cut end)
- Up to 8 sensor boxes may be daisy chained to a single ICA alarm box, or to PLCs, etc.
- Sensor box requires 12 VDC, provides NPN output
- Alarm box requires 24 VAC 6 VA supply, supplies 12 VDC to sensors, and will daisy chain with up to 8 sensor boxes