

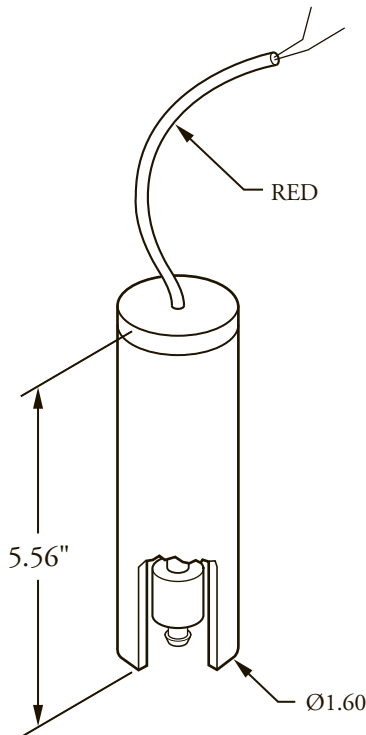
November 1994

## SENSOR DATA SHEET

## EPG "F" Series High Level Sensor

### SENSOR LOGIC AND FUNCTION

The "F" series sensor is a normally closed (N.C.) level displacement sensor (float) that moves up and down a guide rod actuating a magnetic reed switch. Each sensor has 50' (standard) of a red waterproof, gasoline, oil, and chemical resistant outer jacket over a twisted pair of color coded signal wires. The sensor has a small diameter PVC outer protective shell and is designed to be vertically suspended. It will float when submerged in water or petroleum products. This high level sensor is commonly used to announce an alarm in tank, sump, or well. When the fluid level rises to the point where the float is submerged, signal status will change. Typically the sensor sends a signal to an intrinsically safe relay which outputs an alarm signal. This control circuit has an energy potential so low that it is incapable of causing ignition of flammable or combustible materials. A non-intrinsically safe relay can also be used. Maximum load of sensor is 50 VA resistive load.



MODEL NO. F100RH50P

