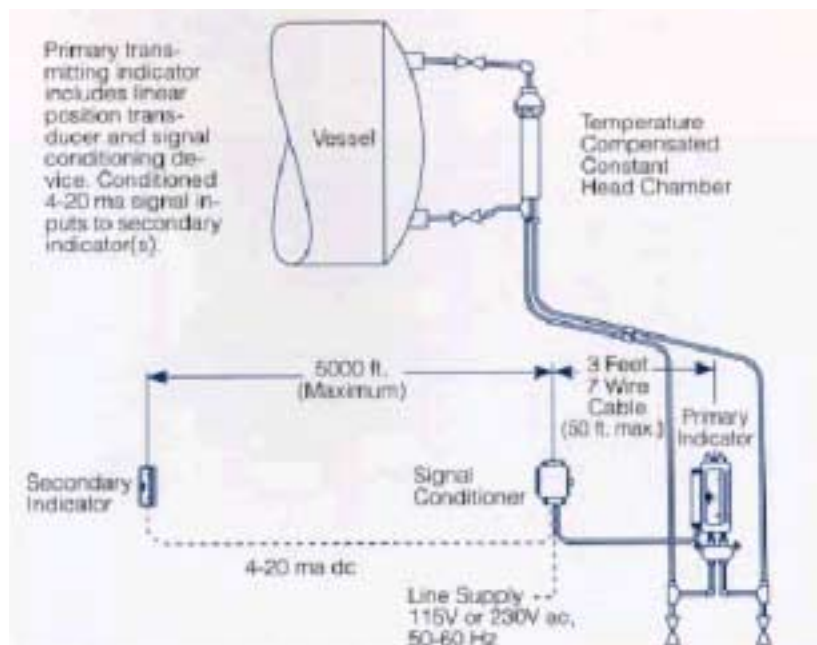


Remote Liquid Level Indicator

Penberthy is pleased to introduce the Remote Liquid Level Indicator (RLLI). This indicator is a form of ΔP device and is the product of specialists in boiler trim design. The indicator represents water level by comparing a constant head to the variable head (ΔP) of the liquid in the vessel. Its primary indication is visual (vertical dial) and accessories include: a 4-20mA loop transmitter which may also be used for one or more secondary (repeater) indicators; a control module with magnetically or mechanically actuated switches which may be used to perform alarm, trip and shut-off functions. The RLLI is very versatile and can also be used on feedwater heaters, elevated storage tanks, and open tanks.

Features and Benefits

- **Magnetically coupled** – The indicating system is located outside the pressure boundary and receives its actuating force through permanent magnetic coupling, eliminating any direct mechanical linkage to the pressure boundary.
- **Accuracy** – $\pm 1\%$ Full Scale.
- **Remote Reading** – Transfers hard-to-see liquid level readings from inaccessible points down to eye level, up to 400 feet away.
- **Continuous Indication** – The primary sensing device is operated by the liquid in the boiler itself, and does not rely on line power to provide primary indication.
- **Switch Options** – It can be linked with an optional control module that provides magnetic or mechanical switches that may be used to actuate optional sound and light alarm accessories to provide a complete indicating and controlling system.
- **Transmitter Option** – The primary indicator can include an optional LVDT with a signal conditioner to provide a 4-20mA loop. This can be used as input to one or more secondary indicators, as well as for control, logging and charting.
- **Temperature Compensation** – For pressures above 750 psig, a temperature equalizing jacket is fastened around the variable and constant head pipes to help maintain constant density in both head legs.
- **Optional Pressure Compensation** – Linearizes output for high static pressures (recommended for systems operating at 1500 to 3000 psig; 103 to 207 barg).



For additional information, please contact Tyco Valves & Controls, Prophetstown, Illinois 61277 – (815) 537-2311 or your local Penberthy distributor.