

# Eddy's Boilerhouse News

## TIP OF THE MONTH FOR THE MAINTENANCE DEPARTMENT

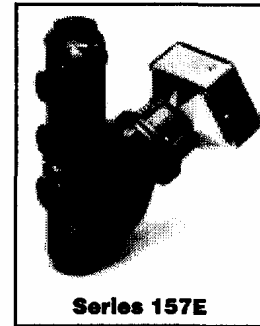
By Eddy Emerson

### Mercury Switches

Many facilities are working very hard at getting rid of the mercury switches throughout their plants. Mercury has been successfully use in switch applications for many years. But, we need to find other products to replace theses mercury switches.

Mercury switches have been used on boilers and burners for a long time, which include steam pressuretrols, low water cut offs, pump controls, gas and oil pressure switches, air flow switches, etc. There have been a few products that have hit the market to fill this need. Gas and oil pressure switches, along with air flow switches have always had non-mercury type controls on the market but the low water cut offs and pressuretrols on steam boilers have been the problem. Both McDonnell & Miller Company and Honeywell have products to meet this need.

McDonnell & Miller are marketing an electronic low water cut off with pump control, model #150E and the #157E. I have a #157E installed on a high pressure steam boiler. This control has been in operation for several months and it has preformed quite well. This is a very hot location and the control has held up to the heat without any problems.



Honeywell has been manufacturing the P7810 pressuretrol for several years. These pressuretrols have functioned quite well overall. The control has several different models available they are: on-off operating control, a on-off control with a manual reset high limit or an on-off control with high limit and 4-20 mA modulating control all in one unit.



Let's get rid of that mercury today or tomorrow or next year.

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