The current water level in a water tower tank is being manually maintained using an analog gauge that is monitoring head pressure, and a simple on/off motor controller for the pump. This type of control is useful in maintaining water levels in tanks, landscaping ponds, waterfalls, and many other applications.

The engineer used a Cecomp F16ADA. The F16ADA relays are set to automatically send a signal to the pump controller to turn the pump on and off in order to maintain the water level at a predetermined set point. The gauge will show an accurate head pressure locally as well.

Problem. Solved.