



Product 815LT Submersible Smart Level Transmitter
Application Sensing Water Level in Municipal Wells
Industry Water & Wastewater

Challenge Small municipal water systems may draw their water from underground wells. The city workers monitor the water level so that conservation measures may be taken when the wells are low. When the water table is low, the well may dry up. If the pump inside the well is allowed to run when the well is dry, the pump may experience excessive wear and break down.

Solution A 815LT Submersible Smart Level Transmitter is needed inside the well so the equipment in the pump house will know how much water is inside. Metering equipment will shut down the pump if the well runs low. The transmitter is lowered into a 1-1/2" diameter PVC pipe which is located inside the well. A 4-20mA current is sent back up to a meter in the pump house. The meter turns the pump on and off depending upon the 4-20mA current.

Installing an automatic system using the 815LT Submersible Smart Level Transmitter for pump control will save the city money and provide better service to utility customers. By using a submersible level transmitter with an automatic system, your city workers will be free to do other tasks. They will no longer have to visually monitor the water level, the transmitter will do it for them.

Expensive pump repairs or replacements will be prevented by this automatic system. The water level will be reliably monitored by the transmitter, always keeping water in the pumps. Since the pumps will be more reliable, the water supply will be more reliable. You will be able to provide excellent service to your water customers. The 815LT installed with an automatic system will help save your city money and improve service to municipal customers.