



Water tower level measurement

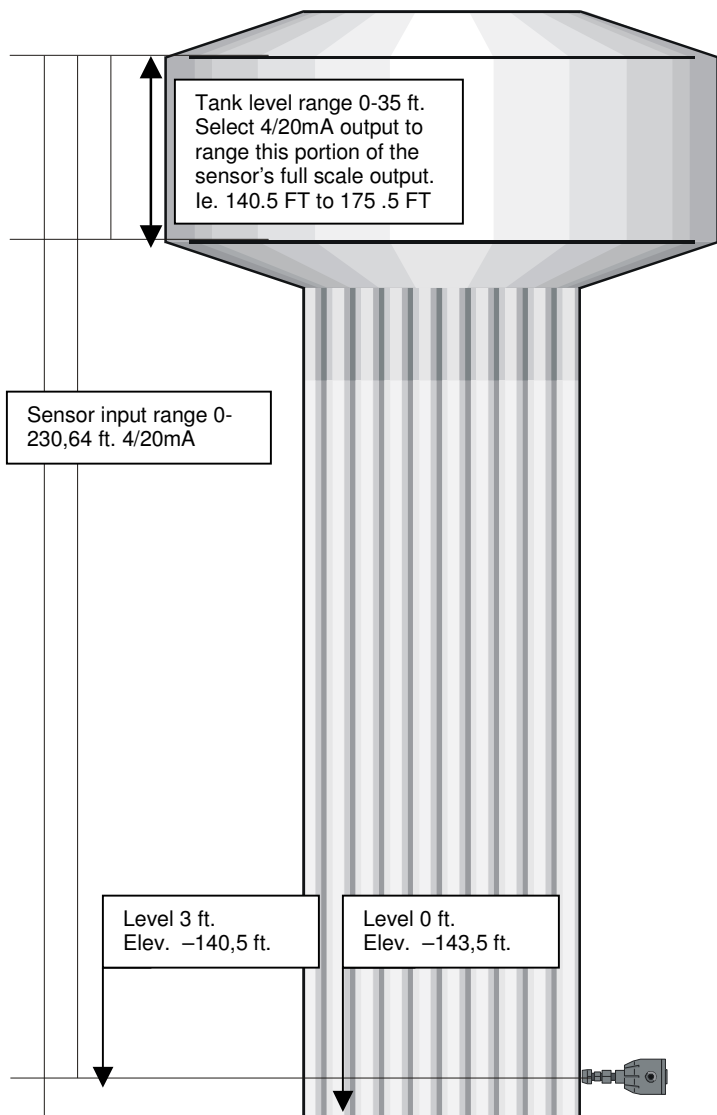
Description

Setting the MJK Model 704 Pump Controller for water tower tank level indications and pump control.

Solution

Use the MJK 704 Pump Controller and a 4-20mA pressure transmitter (supplied by others). Install the pressure transmitter near the base of the water tower and connect the 4-20mA to the input of the MJK 704.

Use the MJK elevation offset function (in the special functions programs and sensor data menus) to offset the elevation readings by the amount of elevation to the bottom of the water level range.



Use the mA output span selection program to set the 4mA setting to the bottom of the water level range and the 20mA for the top of the water level.

Visually confirm the readings match the actual levels and offset the displayed reading on the 704 pump controller if needed. Test the mA output of the transmitter to recheck readings and check activation set points for your pumps.

Label the display so other operators understand the sensor plus elevation display indicates the level in the top of the tower.

The diagram gives an example of the types of offsets that are possible.

Features and Benefits:

- Simplifies the information displayed for the user to better understand the water level changes at the top of the tower.
- Allows an easier control interface with pumps/valves with alarms
- Adds new application possibilities for the MJK 704 Pump Controller
- Similar application procedures can be used for any tank that is elevated above the sensor

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