

Application Note

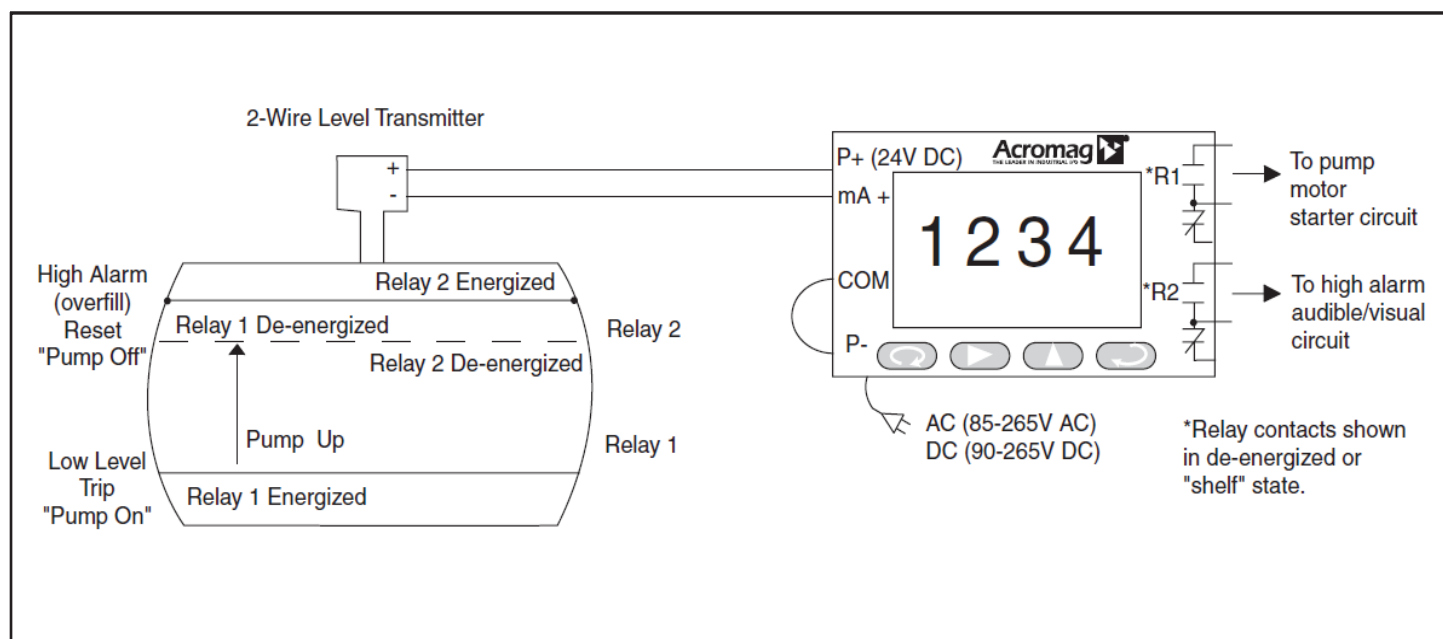
APM Series 3: Pump Up with Overfill Alarm

Defining the Problem:

Need to excite a 2-wire, 4-20mA continuous level sensor, and provide two relay outputs. One relay is for pump control (filling) and the other relay is for high alarm (overfill) with automatic or manual reset.

Solution:

Model [APM765-6R2-10](#)



APM Configuration & Set-up Example

Input: 4-20mA

Dec. Point: As needed (d.ddd, dd.dd, ddd.d, or dddd)

Relay 1 Action: Automatic reset

Relay 1 Setpoint: As needed (ie; 16mA)

Relay 1 Reset: As needed (ie; 8mA)

Relay 2 Action: Auto-manual reset

Relay 2 Setpoint: As needed (ie; 18mA)

Relay 2 Reset: As needed or same as relay 1

Failsafe Operation: None

Time Delay: None

Display Scale 1: 4mA = 0% (or as needed)

Display Scale 2: 20mA = 100% (or as needed)

Relay Operation Timing Diagrams

