

Application Note

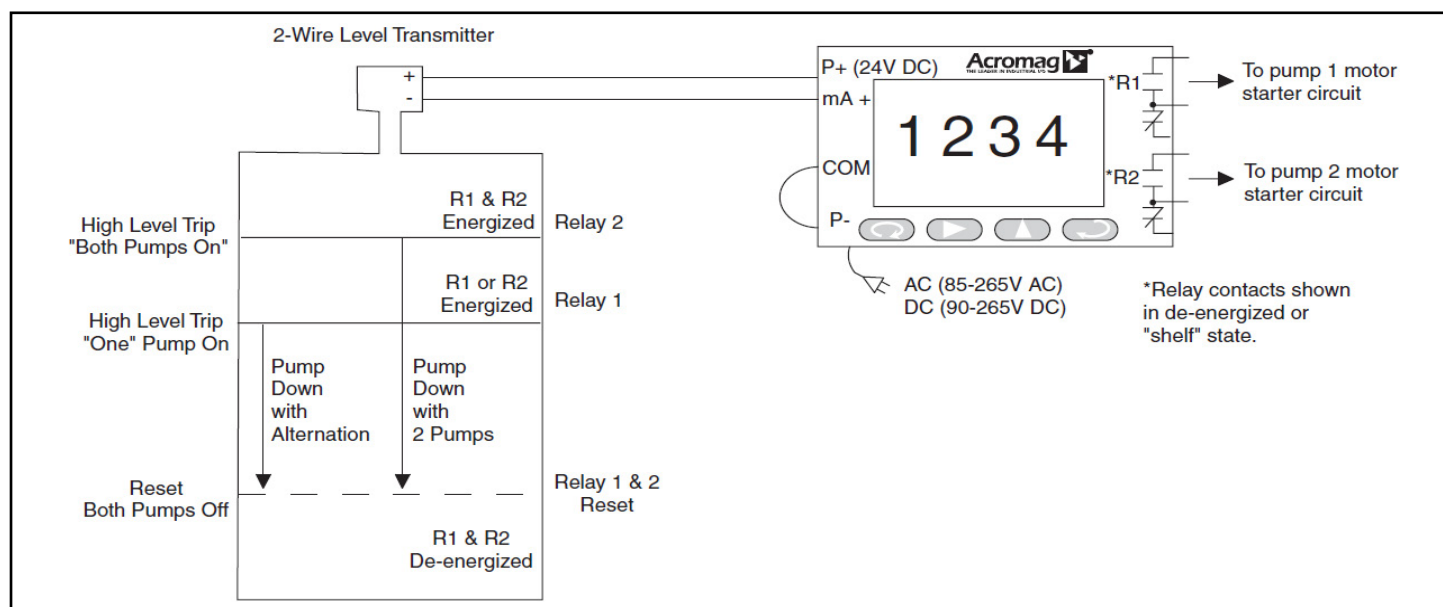
APM Series 2: Pump Down with Duplex Pump Control

Defining the Problem:

Need to excite a 2-wire, 4-20mA continuous level sensor, and provide two relay outputs for duplex pump control with alternation. Both need to be turned on if one can't handle the duty.

Solution:

Model [APM765-6R2-10](#). For extra high/low alarm relays with built-in silence circuit (manual reset and ack.), use additional APM765-6R2-00 and wire in series with 4-20mA loop.



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

