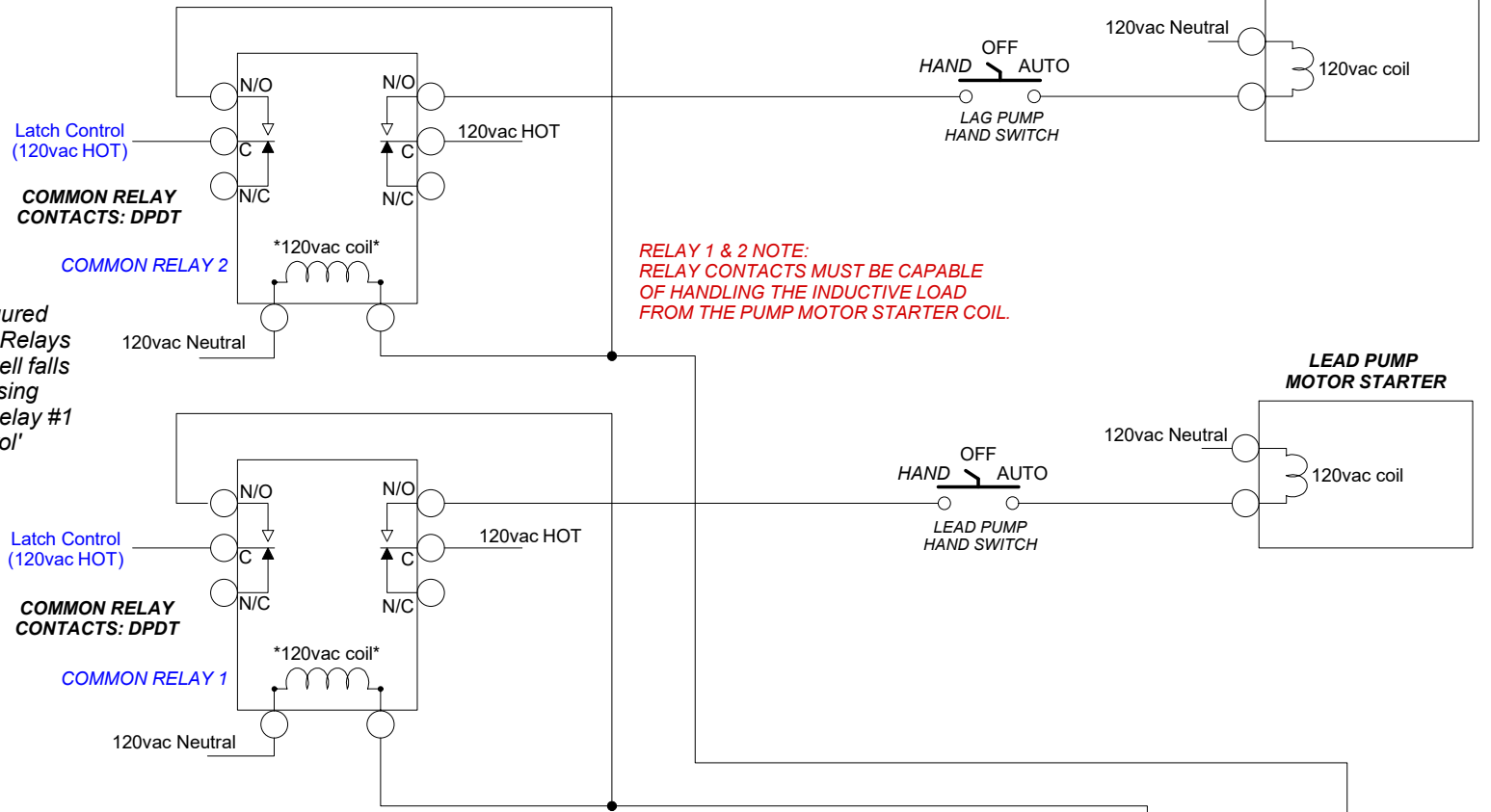


TN09 - Technical Note

LIT-100 & common relays configured to latch ON

Two typical DPDT relays configured to Latch ON once energized. Relays will de-energize once level in well falls below FOGRod contact #1 causing LIT-100 to de-energize Level Relay #1 which disconnects 'Latch Control' from relay coil circuit.



SEQUENTIAL STATE OF STOP/LEAD/LAG FOGROD CONTACTS	COMMON RELAY 1	COMMON RELAY 2	LEAD PUMP	LAG PUMP
1-dry, 5-dry, 7-dry	Not Energized	Not Energized	OFF	OFF
1-wet, 5-dry, 7-dry	Not Energized	Not Energized	OFF	OFF
1-wet, 5-wet, 7-dry	Energized	Not Energized	ON	OFF
1-wet, 5-wet, 7-wet	Energized	Energized	ON	ON
1-wet, 5-wet, 7-dry	Energized	Energized	ON	ON
1-wet, 5-dry, 7-dry	Energized	Energized	ON	ON
1-dry, 5-dry, 7-dry	Not Energized	Not Energized	OFF	OFF

