Duplex Pump Control Panel — Quick Start

120/240 VAC · Field Selectable | Duplex · Automatic Alternation | Float Control

DESIGNED & MANUFACTURED BY LEGACY CONTROLS · MIMS, FLORIDA · UL 508A LISTED

GUIDE VERSION **1.3**
MODELS **LE-6001 (panel only) · LE-6003 (with floats)**
UL FILE NUMBER **E547664**
DATE **August 2026**
PART NUMBERS **CP-001-6-0001 & 6-0003**
FULL DOCUMENTATION **Operation Manual v1.0 · Spec Sheet v2.0 · Troubleshooting Guide v1.0**

⚠ READ FIRST — 120/240 V VOLTAGE SELECTION

Grouping pin installed = 120 V; the pin MUST be removed for 240 V operation. Verify the pin configuration against the connection diagram and confirm panel voltage with a voltage tester before energizing. A neutral conductor is required in both configurations. Incorrect configuration can damage connected equipment.

1. BEFORE YOU ENERGIZE

1. **Mount —** secure the NEMA 4X enclosure (12″ W × 10″ H × 5.2″ D) to a stable vertical surface protected from direct weather.
2. **Verify voltage —** set the grouping pin BEFORE wiring — pin installed = 120 V; pin removed = 240 V. Neutral required in both configurations.
3. **Land the pumps —** Pump 1 on terminals 3 & 4 plus ground · Pump 2 on terminals 5 & 6 plus ground. Both pump motors must incorporate internal overload protection — this panel contains no overload devices.
4. **Install the floats —** Off on 7 & 8 · On on 9 & 10 · optional HLLA on 11 & 12 · High Water Alarm on 13 & 14 — lowest to highest: Off · On · HLLA · High Water. All floats normally open (NO).
5. **Torque & feed —** copper conductors, 60 °C minimum, torqued to 0.79 N·m (7.0 in-lbs). Single 120/240 V feed on a dedicated circuit — 50 A minimum supply circuit (25 A pump branches + 5 A alarm & control circuit branch; feeder protection at the main panel) — with a field-supplied main disconnect upstream.

2. START-UP & FUNCTIONAL TEST

6. **Energize —** set both pump selectors to AUTO and confirm the alarm circuit is armed — beacon off, both pumps idle.
7. **Cycle the floats —** raise the On float — the lead pump starts through the TELE E1ZMLA10 load alternator and stops at the Off float. Confirm the lead/lag designation alternates after each cycle.
8. **Test HLLA (if installed) —** lift the HLLA float — both pumps run until the level drops.
9. **Test the alarm —** lift the High Water float — red beacon and horn annunciate; pump operation is unaffected. Verify the alarm test/mute switch before leaving the site.

3. ALARMS & INDICATORS

- **Pump run indicators —** illuminate whenever the respective pump is running.
- **Red beacon + horn —** high water — the High Water float drives the alarm only and does not change pump operation; high-demand escalation is the job of the optional HLLA float. Mute the horn only after acknowledging the condition; the beacon stays lit until the level clears.

4. FACTORY SETTINGS — QUICK CHECK

TELE E1ZMLA10 load alternator — ships factory-configured; verify at commissioning and after any component replacement:

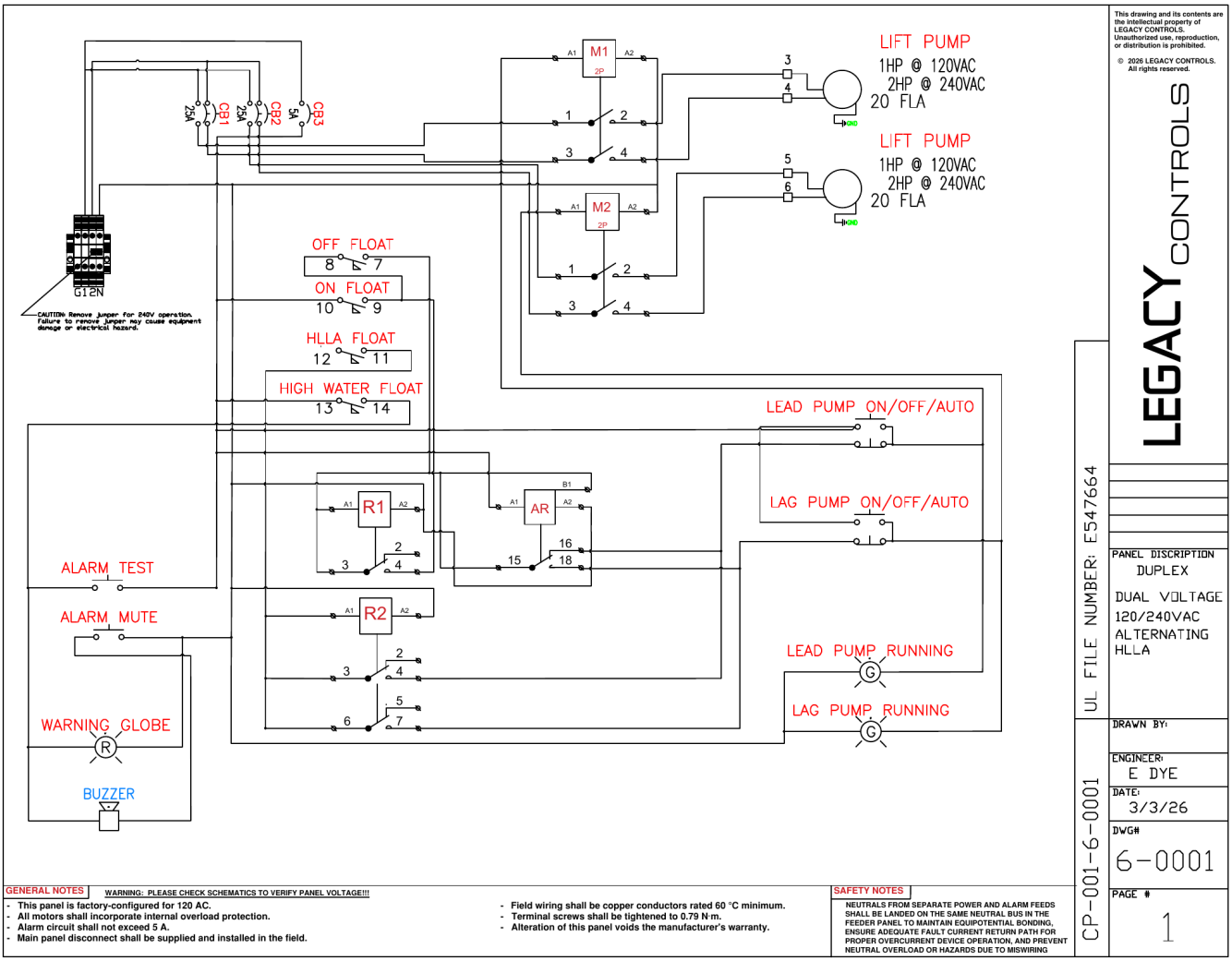
- **Function —** selector (P1) set to LA (Load Alternator) — alternation on every falling edge of the control signal.
- **Delay —** both time knobs (P2 range, P3 value) fully counter-clockwise for the standard minimum ≈ 50 ms de-bounce.

- **Verify —** green U/t LED confirms supply; yellow R LED illuminated = Pump 2 is the selected pump. L1 / L2 manual modes are for service only — return the selector to LA.

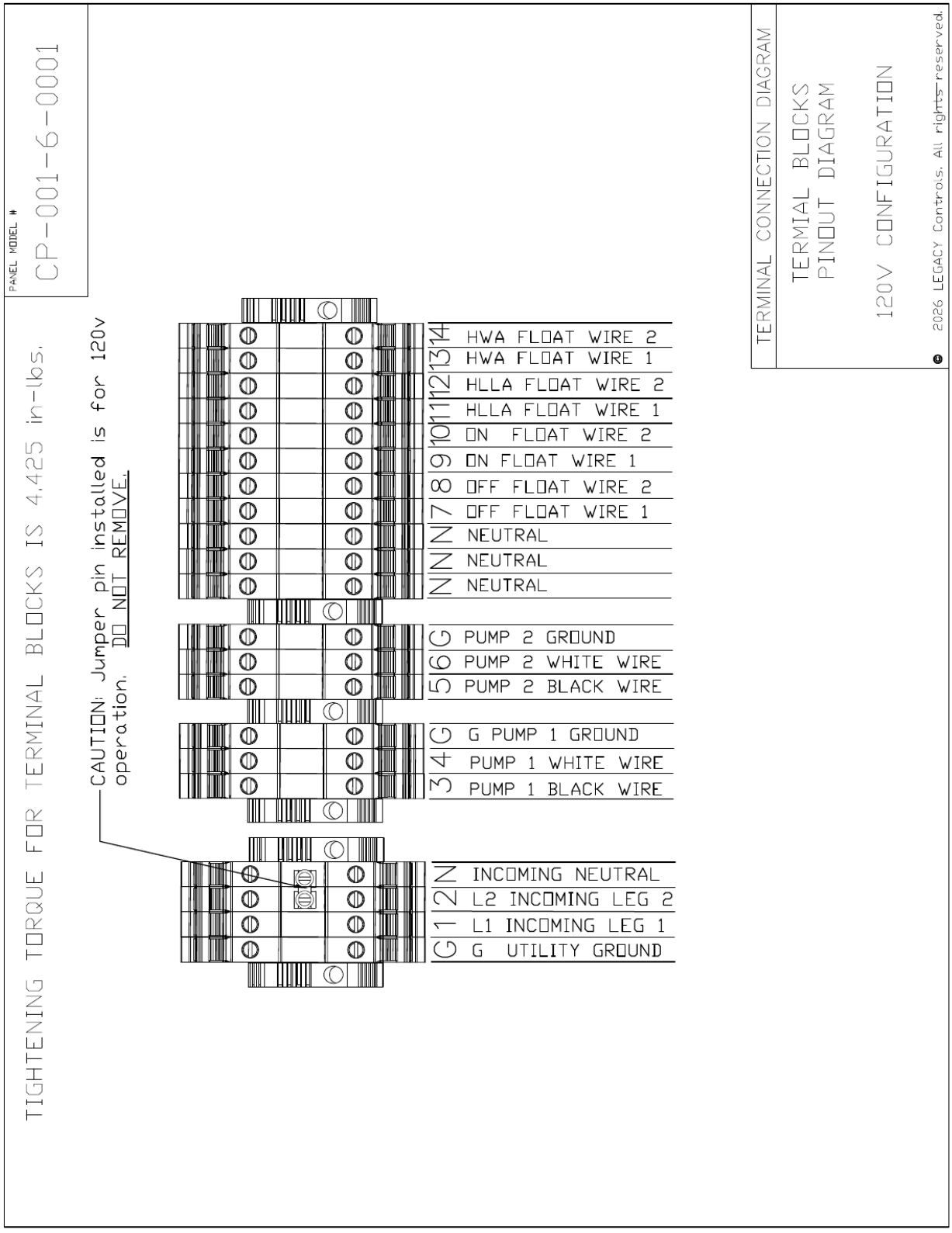
For the 240 V configuration, refer to Terminal Connection Diagram v1.2 — 240 V Configuration (CP-001-6-0001 & 6-0003), supplied with the panel documentation package.

5. SERVICE & SUPPORT

SERVICE & SUPPORT Contact the authorized dealer or installer who supplied your system for all technical support, service calls, alarm response, and warranty claims — their information is recorded on the Service & Support card at the front of the Operation Manual. **Scan the code for the complete panel documentation — legacy-controls.com/panels/LE-6001/.** If your dealer cannot be reached, visit Legacy-Controls.com.



LINE DRAWING V1.4 — CP-001-6-0001/0003



TERMINAL CONNECTION DIAGRAM V1.2 — 120 V CONFIGURATION — CP-001-6-0001