

Duplex Time-Dose Pump Control Panel — Quick Start

120/240 VAC · Field Selectable | Duplex · Automatic Alternation | Time-Dose Control

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

GUIDE VERSION **1.3 (Provisional)**

DATE **August 2026**

MODELS **LE-6002 (panel only) · LE-6004 (with floats)**

PART NUMBERS **CP-001-6-0002 & 6-0004**

UL FILE NUMBER **E547664**

FULL DOCUMENTATION **Operation Manual v2.0 · Spec Sheet v2.0**

PROVISIONAL ISSUE This Quick Start Guide is issued against Operation Manual v2.0, which is scheduled for a remediation rebuild. Verify all connections against the panel schematic and connection diagrams supplied with the panel. A verified re-issue of this guide follows the manual rebuild.

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

- Mount** — secure the NEMA 4X enclosure to a stable vertical surface protected from direct weather; mounting height 11.32".
- Verify voltage** — set the grouping pin BEFORE wiring — pin installed = 120 V; pin removed = 240 V. Neutral required in both configurations.
- Land the pumps** — Pump 1 and Pump 2 black, white, and ground wires on the pump terminals per the connection diagram. Both pump motors must incorporate internal overload protection — this panel contains no overload devices.
- Install the floats** — lowest to highest: Timer Enable on 7 & 8 · Override on 9 & 10 · Alarm / HWLA on 11 & 12. All floats normally open (NO).
- 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.
- Set the timer** — program the TELE E1ZI10 to the site design flow before commissioning (Section 4 below and Operation Manual Section 6).

2. START-UP & FUNCTIONAL TEST

- Energize** — set both pump selectors to AUTO and confirm the alarm circuit is armed — beacon off, both pumps idle.
- Watch one full cycle** — with the Timer Enable float up, the E1ZI10 doses the lead pump through the E1ZMLA10 load alternator; confirm the lead/lag designation alternates between cycles.
- Test the override** — lift the Override float — the timer is bypassed and the lead pump runs continuously until the level drops.
- Test high water** — lift the Alarm/HWLA float — the red beacon and horn annunciate AND the R1 relay brings BOTH pumps online. Test the alarm push-button before leaving the site.

3. ALARMS & INDICATORS

- Pump run indicators** — illuminate whenever the respective pump is running.

- **Red beacon + horn** — high water — the condition does not stop pumping, it escalates it: the R1 relay runs both pumps together while the alarm annunciates. Silence the horn only after acknowledging the condition; the beacon stays lit until the level clears.

4. FACTORY SETTINGS — QUICK CHECK

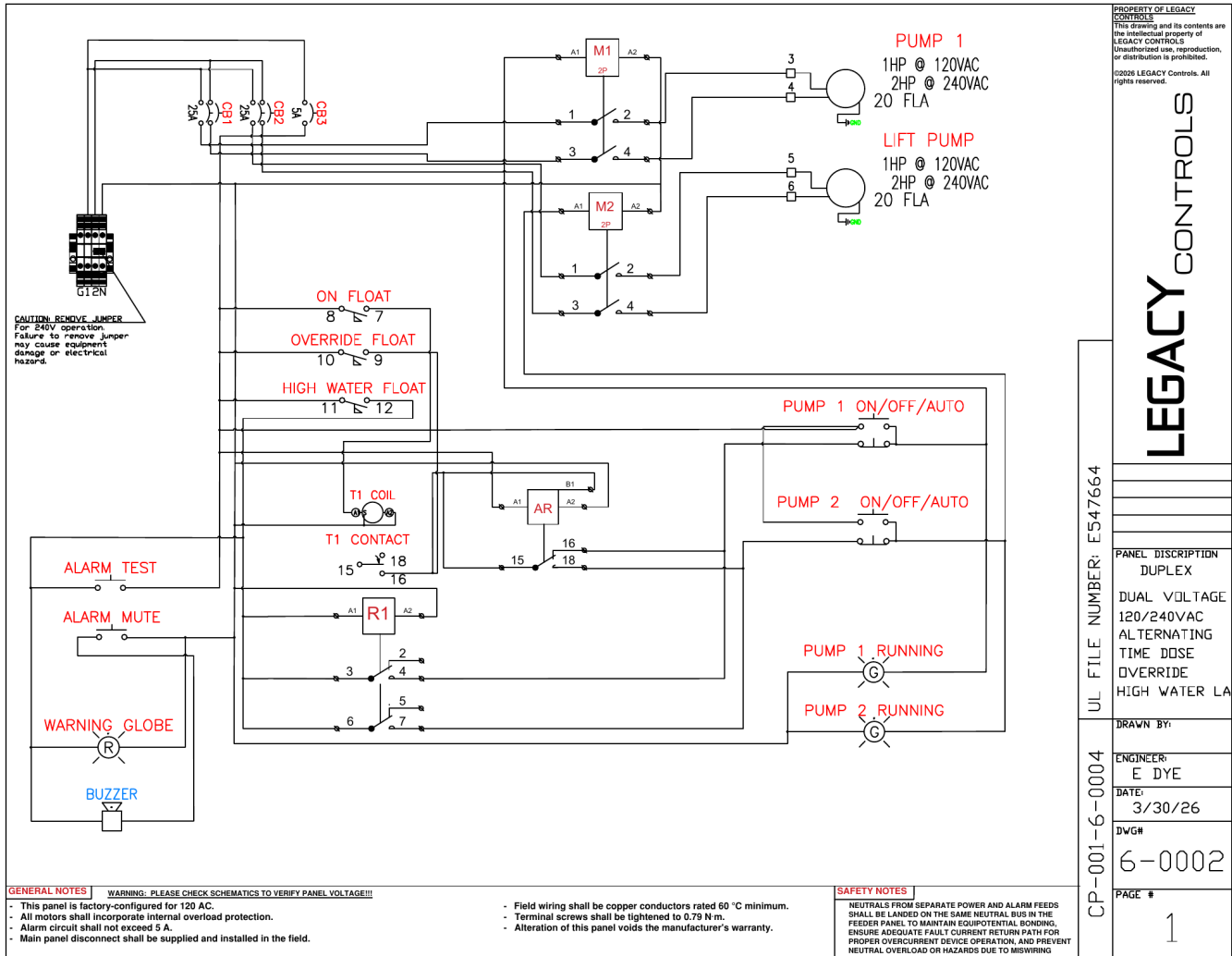
TELE E1ZI10 timer + TELE E1ZMLA10 alternator — ship factory-configured; verify at commissioning and after any component replacement:

- **E1ZI10 dose timing** — function selector to li (pulse first) or lp (pause first) per the schematic · t1 = lead-pump run · t2 = pause. Example — 2-minute dose every 30 minutes: li · t1 range 10 min at 0.2 · t2 range 1 h at 0.5. Doses occur only while the Timer Enable float is up.
- **E1ZMLA10 alternation** — selector (P1) to LA; both time knobs fully counter-clockwise ($\approx$ 50 ms de-bounce). Yellow R LED illuminated = Pump 2 selected. L1 / L2 manual modes are for service only.

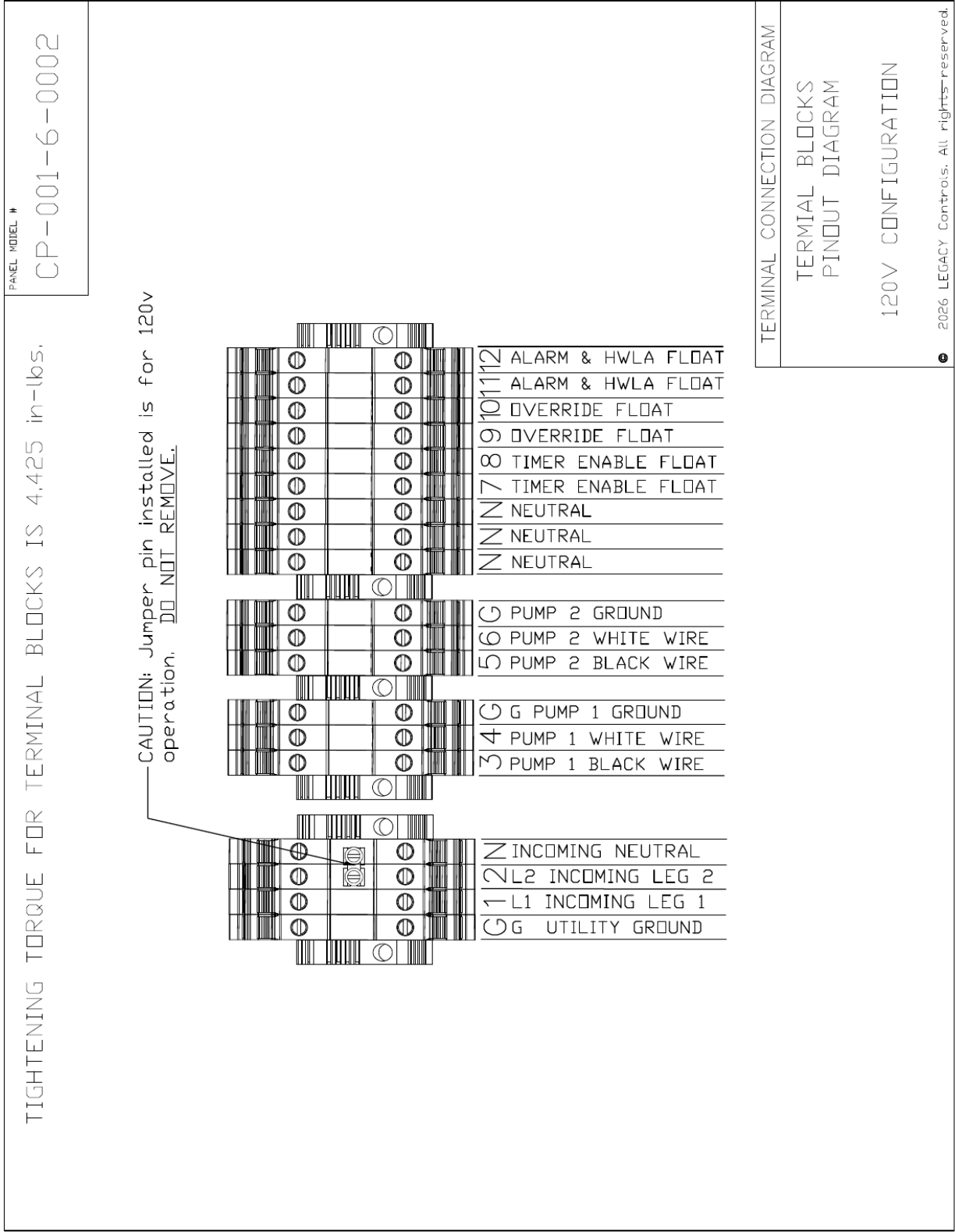
5. SERVICE & SUPPORT

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-6002/.** If your dealer cannot be reached, visit Legacy-Controls.com.





LINE DRAWING V1.5 — CP-001-6-0002/0004

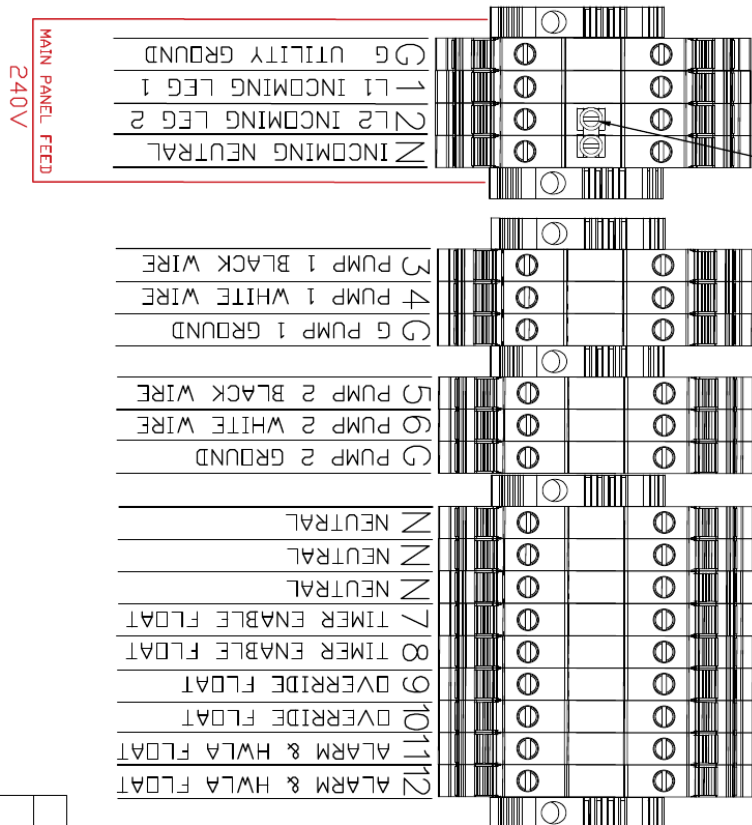


TERMINAL CONNECTION DIAGRAM — 120 V CONFIGURATION — CP-001-6-0002 (FROM OPERATION MANUAL V2.0)

TIGHTENING TORQUE FOR TERMINAL BLOCKS IS 4.425 in-lbs.

PANEL MODEL #
CP-001-6-0002

CAUTION: Jumper pin installed is for 120v operation. MUST REMOVE PIN FOR 240V OPERATION.



TERMINAL CONNECTION DIAGRAM

TERMINAL BLOCKS
PINOUT DIAGRAM

240V CONFIGURATION

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TERMINAL CONNECTION DIAGRAM — 240 V CONFIGURATION — CP-001-6-0002 (FROM OPERATION MANUAL V2.0)