

Duplex Pump Control Panel

120/240 VAC · Field Selectable | Duplex · Automatic Alternation | Float Control · Optional HLLA
DESIGNED & MANUFACTURED BY LEGACY CONTROLS · MIMS, FLORIDA · UL 508A LISTED

PRODUCT OVERVIEW

Designed and manufactured by Legacy Controls, the CP-001-6-0001 / 6-0003 is a UL 508A Listed dual-voltage duplex pump control panel. A single 120/240 V feed powers two pump circuits, the alarm system, and the control logic. The lead pump cycles on the On and Off floats, the TELE E1ZMLA10 alternator balances lead/lag runtime after every cycle, and the optional HLLA float runs both pumps during high-demand conditions.

KEY FEATURES

- Dual voltage 120/240 VAC — field-selectable via quick grouping pin
- Automatic lead/lag alternation — TELE E1ZMLA10 load alternator
- Standard 3-float control: Off · On · High Water
- Optional HLLA float — runs BOTH pumps during high demand
- 2-, 3-, and 4-float configurations supported
- Independent AUTO / OFF / ON selectors · pump run indicators
- High water alarm — red beacon + horn · alarm test / mute switch
- NEMA 4X polycarbonate · UL 508A Listed · File E547664

PANEL IDENTIFICATION

MODEL

CP-001-6-0001 · 6-0003

RETAIL MODELS

LE-6001 · panel only

LE-6003 · floats included

SERIES

006 · Pump Duplex

UL FILE NUMBER

E547664

DOCUMENTATION

Manual v1.0 · Drawings v1.2

KEY COMPONENTS

TELE E1ZMLA10 Alternator

⚠ READ FIRST — 120/240 V VOLTAGE SELECTION

Field-selectable by grouping pin: **pin installed = 120 V · pin removed = 240 V**. Verify the pin configuration against the connection diagram and confirm panel voltage with a voltage tester before energizing. Neutral required in both configurations. Incorrect configuration can damage connected equipment.

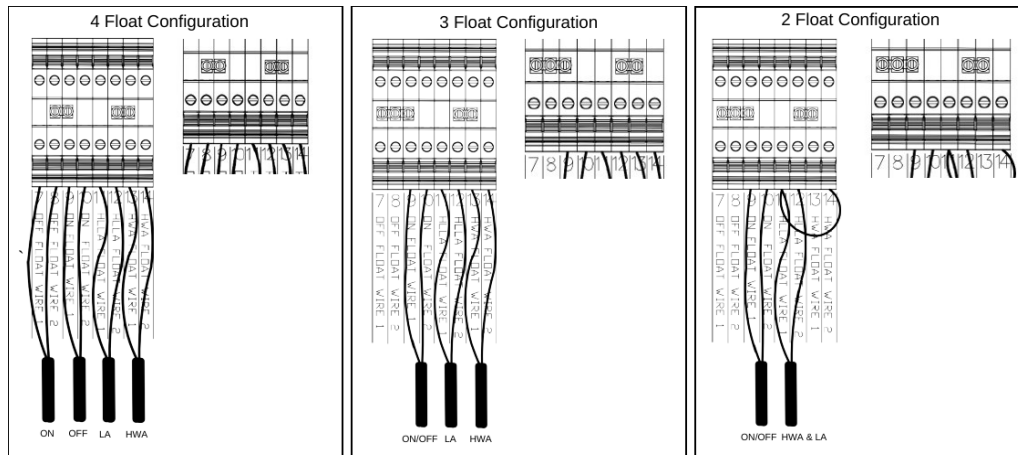
TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Model / Retail	CP-001-6-0001 (panel only) · CP-001-6-0003 (floats included) — LE-6001 / LE-6003
Supply	120/240 VAC, 60 Hz, single phase — single feed, grouping-pin selectable (neutral required)
Total FLA / SCCR	40 A · SCCR 5 kA
Pump Circuits	Two · 2.5 HP max per pump (16 FLA each) — largest motor 16 A
Feeder Protection (Field Supplied)	Upstream at the feeder panel (not in this panel): 50 A breaker recommended
Pump Control	Duplex alternating float control — E1ZMLA10 alternator · Off/On/HWA + optional HLLA (N.O.)
Alarm System	Red beacon · audible horn · alarm test / mute switch · alarm circuit 5 A max
Controls & Indicators	Two 3-position pump selectors (AUTO / OFF / ON) · pump run indicators
Enclosure	NEMA 4X polycarbonate · 12" W × 10" H × 5.2" D
Field Wiring	Copper, 60 °C min · terminal torque 4.425 in-lbs (0.50 N·m)
Compliance	UL 508A Listed · File E547664 · NFPA 70 (NEC)

FLOAT SYSTEM & OPERATION

The panel supports 2-, 3-, and 4-float configurations. In every configuration the lead pump cycles on the On and Off levels, automatic lead/lag alternation follows each cycle, and the high water float drives the alarm. The optional HLLA float adds dual-pump high-demand response.

FLOAT	FUNCTION	POSITION / EFFECT
Off (N.O.)	Stops the lead pump	Lowest — primary stop level
On (N.O.)	Starts the lead pump	Second — normal duty cycle start; alternation follows each cycle
HLLA (N.O., optional)	High Level Lag Activation	Third — runs the lag pump so BOTH pumps operate during high demand
High Water Alarm (N.O.)	Alarm annunciation	Highest — red beacon and horn; pump operation unaffected



In normal operation, the lead pump cycles based on the On and Off floats. The lead alternator switches which pump is lead after each cycle.
FLOAT CONFIGURATIONS — 4-FLOAT · 3-FLOAT · 2-FLOAT OPTIONS

ALTERNATION & HIGH DEMAND The E1ZMLA10 alternator switches lead and lag after every cycle for balanced wear. With the optional HLLA float installed, high demand brings the lag pump online so both pumps run together. The high water alarm annunciates independently.

PROGRAMMING REFERENCE Step-by-step TELE E1ZMLA10 alternator programming — with a QR link to the official manufacturer data sheet — is provided in Section 6 of the CP-001-6-0001/0003 Operation Manual v1.0.

SUPPORT & WARRANTY

End users: contact the authorized dealer or installer who supplied the system for all service and warranty claims.

Dealer & sales inquiries:

Legacy Controls

6200 FL-46, Mims, Florida 32754

(321) 284-8592 · Support@Legacy-Controls.com

Two (2) year limited warranty to the original purchaser, administered through the authorized dealer.

COMPLIANCE & NOTES

- Installation by qualified personnel only, per NEC and UL 508A
- Field-supplied main disconnect required; verify with a voltage tester before opening
- Single feed powers the entire panel — feeder protection field supplied, 50 A breaker recommended
- Grouping pin installed = 120 V; removed = 240 V — verify before energizing
- LE-6003 includes floats · LE-6001 is panel only (floats by others)
- Any alteration, modification, or unauthorized repair voids the UL listing and warranty
- See CP-001-6-0001/0003 Operation Manual v1.0, Line Drawing v1.2, and Connection Diagrams (120 V / 240 V)