## LDONEX INC

## "EZ" CONTROLLER

MANUFACTURER OF QUALITY DC AND AC POWER SUPPLIES SINCE 1967



Aldonex is setting the bar higher with our "EZ" Controller. Our controller utilizes a digital touch-pad interface as well as a 240x128 backlit LCD graphical display. The contrast is user adjustable for easy viewing at any angle. This controller is based on microprocessor technology which is why we are able to deliver unparalleled precision and regulation. The HMI is rated NEMA 4X (IP66) and can be installed in our standard NEMA 4X "remote" enclosure or self-contained on the front panel of you power supply. This equates to a robust touch-pad that is designed to handle the toughest environments.

Standard Features

- Self Diagnostics with Fault Alerts
- DFT Feature (Digital Fine Tuning) Constant sampling resulting in a highly stable DC output
- Soft Start (user adjustable)• Selectable audio and visual alarms
- Cut-Off or Duration Timer
- Resettable and Non-Resettable Amp Hour/Minute Meter (9 digits)
- Preset Amp Hour/Minute Cycles
- Current or Voltage Ramping
- Current or Voltage Ramping with step/soak (24 ramp/soak steps)
- All options feature cut-off, alarm, repeat, or continuous operation after it competes it's cycle
- Up to 50 user configured presets can be stored and recalled in the future as a "recipe"
- Up to 4 programmable shortcut keys
- Can be retrofitted into almost any SCR/Switch Mode power supply (inc. other manufacturers)
- 24VDC Control with a reliable RS485 Interface

**Optional Features** 

- Manual and Automatic Periodic Reverse
- Up to 4 user selectable Voltage Taps
- Slow Pulse (Low Freq. Pulse) 1s-5940s (utilizes a 2 step repeating ramp program)
- 4-20mA, 0-10V, 0-5V PLC/Computer Interface



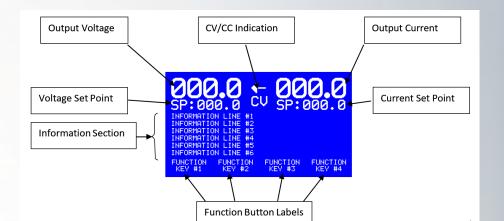
Phone: (708) 547-5663 Fax: (708) 547-5738 Email: sales@aldonex.com Factory Location: 2917 St. Charles Rd. Bellwood, IL 60104

Mailing Address: P.O. Box 148 Bellwood, IL 60104





## **"EZ" CONTROLLER**



## 800.0 ← 800.0 ≥ 000.0 ← 800.0 CV SP:000.0 POLARITY: FORWARD A

 RECIPE:
 HBCDEFGN
 FOLHKITY:
 FORWHRD

 TIMER:
 00:00:00
 SP:
 00:00:00
 (RECT OFF)

 AH
 METER:
 000,000
 SP:
 000,000
 (OUTPUT OFF)

 RAMP:
 STEP:
 1/10
 VOLTAGE
 RAMP
 00:00:00

 PR:
 REV>
 00:00:00
 FWD>
 00:00:00
 (REPEAT)

 TOTAL
 AH:
 000,000,000,000
 CHANGE
 FUNCTION
 FUNCTION

 POLARITY
 KEY
 #2
 KEY
 #3
 KEY
 #4

| FAULT STATUS PAGE             |  |  |  |
|-------------------------------|--|--|--|
| FAULTS ACTIVE: YES (LATCHED)  |  |  |  |
| NUMBER OF FAULTS: 07          |  |  |  |
| ## SRC DESCRIPTION            |  |  |  |
| 01 IOB - SCR THERMAL SWITCH   |  |  |  |
| 02 REG - VOLT POT FAILURE     |  |  |  |
| 03 485 - COMM TIMEOUT         |  |  |  |
| 04 HMI – STUCK SWITCH         |  |  |  |
| 05 REG - OVERCURRENT SHUTDOWN |  |  |  |
|                               |  |  |  |
| PAGE UP PAGE DWN REFRESH      |  |  |  |

| RAMP SETTING PAGE       FEATURE:       FEATURE:     STABLED       POWER UP RESET: DISABLED     END ACTION:       END ACTION:     CONTINUE       AUDIBLE ALERT:     ENABLED       V/I CONTROL:     VOLTAGE       ##     VOLTS       RAMP     SOAK       06     08:0       07     10:0       08     07:0       09     08:01:00       08     07:0       09     10:00       09     09:01:00       09     09:01:00       09     09:01:00       09     09:01:00       09     09:01:00       09     09:01:00       09     09:01:00       09     09:01:00       09     09:01:00       09     09:01:00       09     09:01:00       09     09:01:00       09     09:01:00       09     09:01:00       09     00:01:00       09     00:01:00       00     00:01:00       00     00:01:00       00     00:01:00       00     00:01:00       00     00:01:00       00     00:01:00       00     00:01:00 | AMP-HOUR METER SETTING PAGE         FEATURE:       ENABLED         POWER UP RESET:       DISABLED         UNITS:       AMPERE HOURS (AH)         SET POINT:       000.0003         END ACTION:       RECTIFIER OFF         AUDIBLE ALERT:       ENABLED         RESETTABLE TOTAL:       000.000.000.000 AH | CUT-OFF TIMER SETTING PAGE<br>FEATURE: ENABLED<br>POWER UP RESET: DISABLED<br>SET POINT: 20:00:00<br>END ACTION: RECT OFF<br>AUDIBLE ALERT: ENABLED |
|---|--|---|
| AUTO PR SETTING PAGE  | RECIPE LOAD PAGE   | SOFT START SETTING PAGE   |
| FEATURE: ENABLED  | RECIPE 18 OF 50 TOTAL STORED: 12   |   |
| POWER UP RESET: DISABLED  | NAME: ABCDEFGH<br>VOLTS SP: 000.0 AMPS SP: 000.0   | FEATURE: ENABLED  |
| START POLARITY: FORWARD   | SOFT START: 00.0   | SLOPE TIME: 00.0 (SECONDS)  |
| FORWARD TIME: 00:00   | CUT-OFF TIMER: 00:00:00 (RECT OFF)<br>AH METER: 000,000 (CONTINUE)   |   |
| REVERSE TIME: 00:00:00  | RAMP: LINES:10 TOTAL TIME: 000:00:00   |   |
| END ACTION: REPEAT  | PR: F>00:00:00 R>00:00 (REPEAT)  |   |
| AUDIBLE ALERT: ENABLED  | LOAD ERASE UPDATE  | SAVED   |



STANDARD TECHNICAL DATA

DC Input Voltage Control Metering NEMA/IP Rating Duty Factor 24VDC 0.5% Crossover Regulation Better than 1% on all models 4X/66 100% (can run 24/7 365 days a year)

