

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 4 (IP66) and can be installed in our standard NEMA 4 "remote" enclosure or self-contained on the front panel of your power supply. This equates to a robust touchpad that is designed to handle the toughest environments. We offer a multitude of optional features that can be added on at any time with a 6 digit unlock code. No longer do you have to bring in an electrician or send the remote or rectifier back if you want to add an additional feature in the future.

#### 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 completes its 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

Manufactured and Developed in the USA

Aldonex can offer a full line of Power Supplies to suit your needs. We have been in the business for over 50 years and have been providing rectifiers to a variety of industries for various applications. Some of these applications are metal finishing, anodizing, electrowinning, chemicals on site and water treatment. We are one of the few manufacturers that will custom build our power supplies to suit your needs. This includes controls, components, cabinets, and modular units. We offer Powder Coated Steel, Stainless Steel, Aluminum, and Poly Pro enclosures.

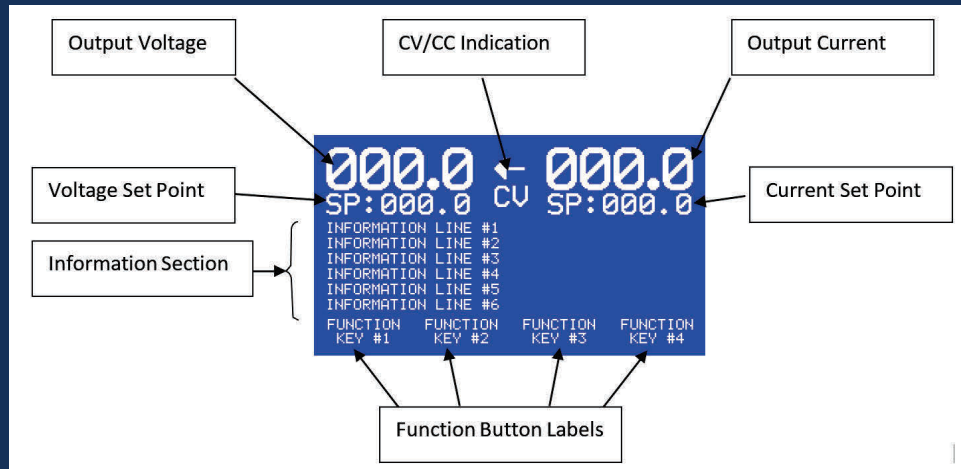


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000.0 ← 000.0
SP:000.0 CV SP:000.0
RECIPE: ABCDEFGH POLARITY: FORWARD
TIMER: 00:00:00 SP: 00:00:00 (RECT OFF)
AH METER: 000,000 SP: 000,000 (OUTPUT OFF)
RAMP: STEP: 1/10 VOLTAGE RAMP 00:00:00
PR: REV> 00:00:00 FWD> 00:00:00 (REPEAT)
TOTAL AH: 000,000,000,000
CHANGE FUNCTION FUNCTION FUNCTION
POLARITY KEY #2 KEY #3 KEY #4
    
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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
    
```

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RAMP SETTING PAGE
FEATURE: ENABLED
POWER UP RESET: DISABLED
END ACTION: CONTINUE
AUDIBLE ALERT: ENABLED
U/I CONTROL: VOLTAGE
## VOLTS RAMP SOAK
06 08.0 00:01:00 00:10:00
07 10.0 00:01:00 00:10:00
08 07.0 00:01:00 00:30:00
LAST LINE: 14 TOTAL TIME: 000:00:00
PAGE UP PAGE DWN DEL LINE INSERT
    
```

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AMP-HOUR METER SETTING PAGE
FEATURE: ENABLED
POWER UP RESET: DISABLED
UNITS: AMPERE HOURS (AH)
SET POINT: 000,000
END ACTION: RECTIFIER OFF
AUDIBLE ALERT: ENABLED
RESETTABLE TOTAL: 000,000,000,000 AH
FACTORY TOTAL: 000,000,000,000 AH
    
```

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CUT-OFF TIMER SETTING PAGE
FEATURE: ENABLED
POWER UP RESET: DISABLED
SET POINT: 00:00:00
END ACTION: RECT OFF
AUDIBLE ALERT: ENABLED
    
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AUTO PR SETTING PAGE
FEATURE: ENABLED
POWER UP RESET: DISABLED
START POLARITY: FORWARD
FORWARD TIME: 00:00:00
REVERSE TIME: 00:00:00
END ACTION: REPEAT
AUDIBLE ALERT: ENABLED
    
```

```

SOFT START SETTING PAGE
FEATURE: ENABLED
SLOPE TIME: 00.0 (SECONDS)
SAVED
    
```

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RECIPE LOAD PAGE
RECIPE 18 OF 50 TOTAL STORED: 12
NAME: ABCDEFGH
VOLTS SP: 000.0 AMPS SP: 000.0
SOFT START: 00.0
CUT-OFF TIMER: 00:00:00 (RECT OFF)
AH METER: 000,000 (CONTINUE)
RAMP: LINES:10 TOTAL TIME: 000:00:00
PR: F>00:00:00 R>00:00:00 (REPEAT)
LOAD ERASE UPDATE
    
```

### STANDARD TECHNICAL DATA

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

