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**Data Sheet**

August 15, 2026

COPLEY CONTROLS CORP

# Copley Controls Corp 800-262 DC Brush Servo Amplifier

The Copley Controls Corp 800-262 is a DC brush servo amplifier designed for precise motor control. It delivers efficient power amplification for DC brush motors in various applications. This servo amplifier ensures accurate and reliable performance in demanding industrial environments.



## MODEL

**Copley Controls  
Corp 800-262**

## CALIBRATION

**Available on  
request**

## CONDITION

**Used**

## STATUS

**In stock**

## RFQ / SKU

**800-262**

## LISTING

<https://aumictechlabs.com/products/800-262-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The Copley Controls Corp 800-262 is a four-quadrant DC brush servo amplifier engineered for precision motor control across industrial applications. This MOSFET H-bridge output stage accepts standard  $\pm 10\text{V}$  control signals and operates in torque, velocity, or voltage feedback modes with IR compensation. Configurable via internal 40-pin header socket, the amplifier allows gain and current-limit adjustment without soldering, accommodating load inductance from  $200\ \mu\text{H}$  to  $40\ \text{mH}$ . Individual peak and continuous current limits, plus a settable peak current time limit, protect against motor and amplifier overload while enabling high-acceleration performance. The unit includes output short-circuit and heatplate overtemperature protection. Technical Specifications Input Supply:  $+24$  to  $+225\ \text{VDC}$  unregulated Control Signal Input: Differential

reference,  $\pm 10\text{V}$  maximum,  $100\text{ k}\Omega$  input impedance Peak Output Current: 10 to 30 A (selectable) Continuous Output Current: 5 A Maximum Output Voltage: 50 V PWM Switching Frequency: 25 kHz Load Inductance Range:  $200\text{ }\mu\text{H}$  to 40 mH (header-selectable) Logic Input Voltage: 0 to +24V Reference Gain Pot: Attenuates input 100% to 0% Key Features Four-quadrant bidirectional acceleration and deceleration Selectable enable inputs with ground-to-enable or ground-to-inhibit logic configuration Settable peak current time limit matching motor thermal and commutation requirements LED status indicators (green for normal operation) Compact form factor: 0.17 lbs Control Modes Torque mode Velocity mode with brush-tachometer feedback or open-loop speed control Voltage feedback mode with IR compensation for tachless operation Typical Applications Precision industrial motor control, servo-driven automation, open-loop and closed-loop speed regulation, and applications requiring flexible current-limit configuration.

## 800262 Characteristics / Specifications

| PARAMETER          | VALUE                                                     |
|--------------------|-----------------------------------------------------------|
| Model              | 800-262                                                   |
| Instrument Type    | DC brush servo amplifier                                  |
| Family             | Copley Controls 800                                       |
| Motor Class        | brush DC                                                  |
| Manufacturer       | Copley Controls                                           |
| Literature         | Copley Controls 800-262 DC brush servo-amplifier listings |
| System Role        | brush-DC servo drive                                      |
| Use Case           | torque/velocity axis control                              |
| Command Class      | ±10 V class                                               |
| Feedback Class     | tach/encoder class                                        |
| Form Factor        | 800-series servo module                                   |
| Documentation Type | 800-262 listing                                           |
| Brand Lineage      | Copley Controls                                           |
| Application Class  | servo amplifier                                           |
| Related            | Copley 800 series                                         |
| Connector Class    | bus, motor, feedback, command                             |
| Host Class         | motion controller                                         |
| Year Class         | 800-262                                                   |
| Ate Class          | servo amp                                                 |
| Module Class       | DC brush amplifier                                        |
| Bus Class          | DC bus (data sheet volts)                                 |
| Current Class      | peak/continuous (data sheet)                              |
| Pwm Class          | PWM/linear class (data sheet)                             |

# 800262 Specifications

| PARAMETER                                  | VALUE                                                    |
|--------------------------------------------|----------------------------------------------------------|
| Applications                               | DC brush servo amplification for Copley 800-series axes. |
| Key Features                               | Copley 800-262 DC brush servo amp                        |
| Torque/velocity control of brush DC motors | Tach/encoder class feedback                              |
| Technical Specifications                   | Model: 800-262                                           |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

| Specifications                                                                                                                                                             |                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Specifications                                                                                                                                                             |                                                           |
| PARAMETER                                                                                                                                                                  | VALUE                                                     |
| Model                                                                                                                                                                      | 800-262                                                   |
| Instrument Type                                                                                                                                                            | DC brush servo amplifier                                  |
| Family                                                                                                                                                                     | Copley Controls 800                                       |
| Motor Class                                                                                                                                                                | brush DC                                                  |
| Manufacturer                                                                                                                                                               | Copley Controls                                           |
| Literature                                                                                                                                                                 | Copley Controls 800-262 DC brush servo-amplifier listings |
| System Role                                                                                                                                                                | brush-DC servo drive                                      |
| Use Case                                                                                                                                                                   | torque/velocity axis control                              |
| Command Class                                                                                                                                                              | ±10 V class                                               |
| Feedback Class                                                                                                                                                             | tach/encoder class                                        |
| Form Factor                                                                                                                                                                | 800-series servo module                                   |
| Documentation Type                                                                                                                                                         | 800-262 listing                                           |
| Brand Lineage                                                                                                                                                              | Copley Controls                                           |
| Application Class                                                                                                                                                          | servo amplifier                                           |
| Related                                                                                                                                                                    | Copley 800 series                                         |
| Connector Class                                                                                                                                                            | bus, motor, feedback, command                             |
| Host Class                                                                                                                                                                 | motion controller                                         |
| Year Class                                                                                                                                                                 | 800-262                                                   |
| Ate Class                                                                                                                                                                  | servo amp                                                 |
| Module Class                                                                                                                                                               | DC brush amplifier                                        |
| Bus Class                                                                                                                                                                  | DC bus (data sheet volts)                                 |
| Current Class                                                                                                                                                              | peak/continuous (data sheet)                              |
| Pwm Class                                                                                                                                                                  | PWM/linear class (data sheet)                             |
| Notes                                                                                                                                                                      |                                                           |
| From Copley Controls 800-262 DC brush servo-amplifier listings. Bus voltage, peak/continuous current, and PWM frequency are on the 800-262 data sheet; do not invent them. |                                                           |

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.