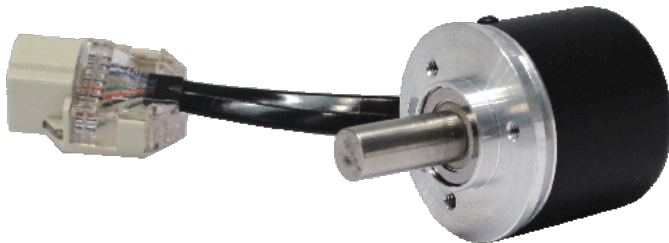


DR274

Direct Replacement Encoder for the Microcut Controller for Perfecta Printing Presses



For many years, Encoder Products Company supplied an encoder to Goldengate Microsystems for their "Microcut" Controller, often used as backstop gauges in the printing and binding industry. Perfecta USA manufactures printing presses that use this Microcut Controller. With the RJ45 connector, replacement of this encoder is usually as simple as just plugging it in.

Features:

- High precision 1.5" incremental encoder
- Stainless steel 3/8" shaft
- Quadrature A & B with reference channels
- 500 CPR
- Line Driver output
- 4.5" of Cable with RJ45 phone jack
- 3 hole servo mount 120° apart

Price: \$420

Additional discounts available for volume orders.

Encoders produced for Goldengate Microsystems included both male and female connectors. Because DR274 is offered with either a male or female connector, be sure to select the proper connector to match your application.



DR274-01



DR274-02

The Accu-Coder™ Advantage

- ✓ Get this encoder FAST – you'll get your encoders in days, not weeks.
- ✓ Huge savings in price comparison – the DR274 is your economical solution
- ✓ The accuracy, reliability, and quality that only come from an Accu-Coder™
- ✓ Industry Best 3-year warranty!

ACCU»CODER™
by Encoder Products Company

DR274

Direct Replacement Encoder for the Microcut Controller for Perfecta Printing Presses



Model DR274 Specifications

Electrical

- Input Voltage 4.75 to 28 VDC max for temperatures up to 70° C
- Input Current 100 mA max with no output load
- Input Ripple 100 mV peak-to-peak at 0 to 100 kHz
- Output Format Incremental – Two square waves in quadrature with channel A leading B for clockwise shaft rotation, as viewed from the encoder mounting face. See Waveform Diagrams below.
- Output Type Line Driver – 20 mA max per channel (meets RS 422 at 5 VDC supply)
- Freq Response 100 kHz
- Noise Immunity Tested to BS EN61000-4-2; IEC801-3; BS EN61000-4-4; DDENV 50141; DDENV 50204; BS EN55022 (with European compliance option); BS EN61000-6-2; BS EN50081-2
- Symmetry 180° (±18°) electrical at 100 kHz output
- Quad Phasing 90° (±22.5°) electrical at 100 kHz output
- Min Edge Sep 67.5° electrical at 100 kHz output
- Rise Time Less than 1 microsecond
- Accuracy 0.017° mechanical (1.0 arc minutes) from one cycle to any other cycle.

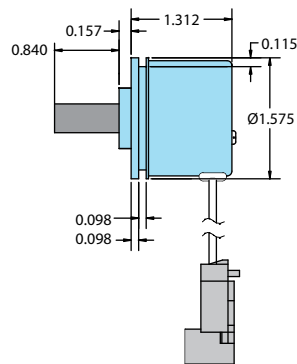
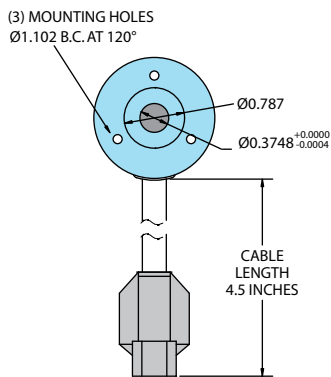
Mechanical

- Max Speed 7500 RPM. Higher shaft speeds may be achievable, contact Customer Service.
- Shaft Size 0.375" outside diameter
- Shaft Rotation Bi-directional
- Radial Shaft Load 5 lb
- Axial Shaft Load 3 lb
- Starting Torque 0.14 oz-in typical
4.0 oz-in typical for -40° C operation
- Moment of Inertia 2.8 x 10⁻⁴ oz-in-sec²
- Max Acceleration 1 x 10⁵ rad/sec²
- Electrical Conn 4.5" cable with RJ45 Connector
- Housing Black non-corrosive finish
- Bearings Precision ABEC ball bearings
- Mounting 1.570" Servo Mounting face; see dimensions
- Weight 3.10 oz typical

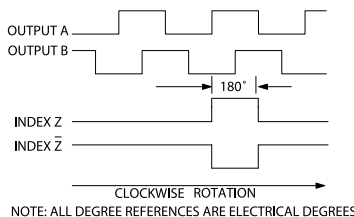
Environmental

- Operating Temp 0° to 70° C
- Storage Temp -25° to 85° C
- Humidity 98% RH non-condensing
- Vibration 10 g @ 58 to 500 Hz
- Shock 50 g @ 11 ms duration

DR274 Dimensions



DR274 Waveform Diagram



DR274 Wiring Table

Function	Pin
+VDC	1
A	4
B	6
Z	8
Z'	5
Not Used	3, 7
Ground	2

