**Encoder Power Supply**

**Features**
A clean source of dedicated power for your encoder is an important factor when designing a reliable system. Now available from EPC are small, easily mounted DIN Rail power supplies specifically chosen to power encoders. Designed for space efficiency, these compact power supplies are available in 5, 12, or 24 VDC.

Easy to see LED indicators show the power supply is working properly. Screw type terminals easily accommodate wires from AWG 24 to 14 while snap-on DIN-Rail mounting (TS35/7.5 or TS35/15) allows the unit to sit safely and firmly on the rail with no tools required even to remove. The shock proof housing is both UL and CE approved. These supplies have been tested to work with all our Accu-Coders™.

**Specifications**

**Electrical**
- Nominal Input Voltage: 100 to 240 Vac / 47 to 63 Hz
- Input Voltage Range: 90 to 265 Vac / 47 to 63 Hz or 120 to 370 VDC
- Frequency: 100 kHz min
- Inrush Surge Current: < 10 A @ 115 Vac, < 18 A @ 230 Vac
- Input Fuse: 2A / 250 Vac

**EPS-5V**
- Nominal Output Voltage: 5 VDC
- Tolerance: ± 1%

**EPS-12V**
- Nominal Output Voltage: 12 VDC
- Tolerance: ± 1%

**EPS-24V**
- Nominal Output Voltage: 24 VDC
- Tolerance: ± 1%

**Nominal Output Current**
- EPS-5V: 3 A
- EPS-12V: 1.5 A
- EPS-24V: 0.75 A

**Efficiency**
- EPS-5V: > 77%
- EPS-12V: > 77%
- EPS-24V: > 77%

**Ripple and Noise**
- EPS-5V, EPS-12V, EPS-24V: 50 mV

**Mechanical**
- Dimensions: 3.54” L x 0.89” W x 4.5” D (90 mm L x 22.5 mm W x 115 mm D)
- Connection Type: Screw Clamp Connection
- Mounting: DIN-Rail TS35/7.5 or TS35/15

**Environmental**
- Operating Temperature: -10°C to +50°C
- Storage Temperature: -25°C to +85°C
- Relative Humidity: 95% RH

**Ordering Information**
(Specify stock # when ordering)
- Single Ended = A, B, Z

**Stock #**
- 100043: 5V Output (EPS-5V)
- 100044: 12V Output (EPS-12V)
- 100045: 24V Output (EPS-24V)

**Programmable Encoder Accessories**

**USB Programming Kit**
Kit includes software, USB Programming Module, and 2-meter Interface Cable with specified connector. See Accessories for individual Interface Cables.

- PR1-001-10: 10-Pin MS Style Programming Kit
- PR1-001-07: 7-Pin MS Style Programming Kit
- PR1-001-06: 6-Pin MS Style Programming Kit
- PR1-001-05: 5-Pin M12 Programming Kit
- PR1-001-K: 8-Pin M12 Programming Kit
- PR1-001-09: 9-Pin D-Sub Programming Kit
- PR1-001-G: Gland Cable Programming Kit

**USB Programming Module**
PR1-001: USB Programming Module

**Programming Interface Cable (2 Meter)**
- 075233-02: 10-Pin MS Style Interface Cable
- 075234-02: 7-Pin MS Style Interface Cable
- 075235-02: 6-Pin MS Style Interface Cable
- 075236-02: 5-Pin M12 Interface Cable
- 075237-02: 8-Pin M12 Interface Cable
- 075238-02: 9-Pin D-Sub Interface Cable
- 075240-02: Gland Interface Cable