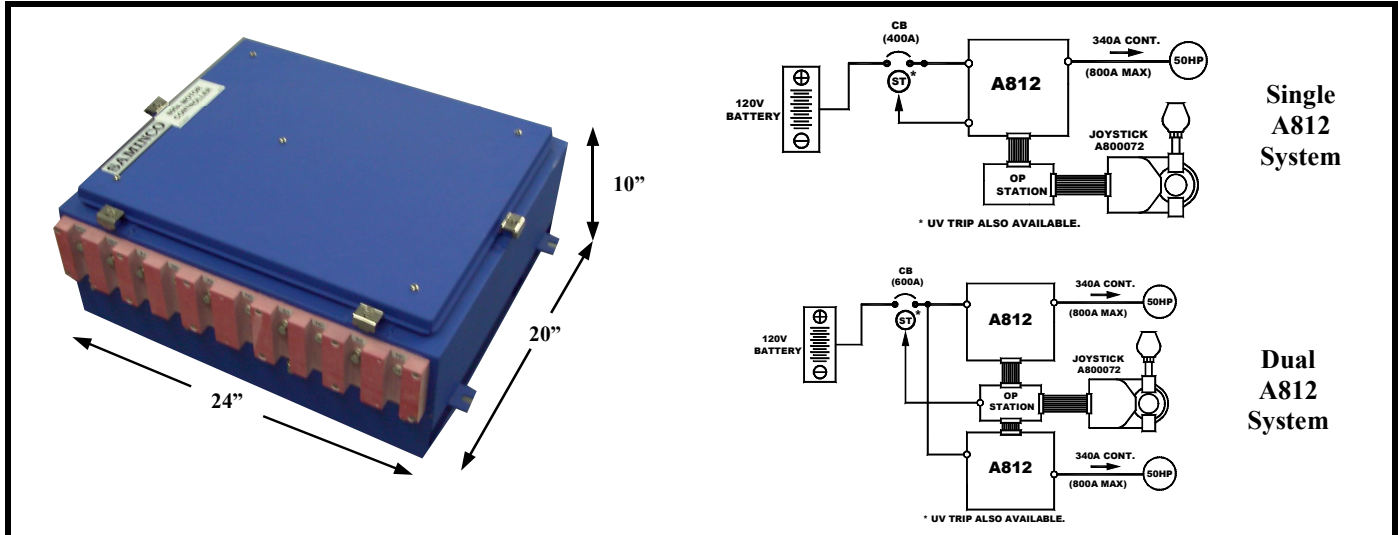


A812
LOCOMOTIVE CONTROLLER
 10HP TO 50HP, 120VDC

SAMINCO
 ELECTRIC TRACTION DRIVES



- Single motor drive for portal buses, tandem motor drive for locomotives.
- Compact enclosure houses all power control devices, capacitor bank, and soft start components.
- Output current capability of 340A continuous, 800A peak for 10 seconds.
- Provides infinitely variable, reversible speed control for DC series motors from 10HP to 50HP/120VDC.
- Solid state reversing eliminates maintenance problems associated with contactors.
- Shunt mode regenerative braking smooth, powerful braking down to almost standstill. This feature greatly prolongs life of mechanical brakes.

Saminco Part Number: **A800245**

Specifications:

Input Voltage: 120V or 128V battery (90V min –144V max.)*

Output Voltage: 0 to 98% of input voltage

Output current: Tramming: 340A continuously, 800A peak for 10 sec.
 Regen Braking: 350A maximum

Motor HP range: 10HP to 50HP at 120VDC

Multi-motor Operation: Up to eight A812 units can be operated in tandem (8 x 50HP)

Overtemperature Protection:

At a baseplate temperature of 85°C (185°F), the control circuit will cut back to 50% of nominal (400A instead of 800A maximum current)

Customer must provide overload relays for each tram motor. (Recommended)

Should the internal temperature of the tram controller power devices exceed 105°C (221°F), then the tram controller will be shut off, and the 400A circuit breaker will trip.

Regenerative Braking:

Braking occurs whenever the operator moves his joystick towards himself, and can occur from either the left or right joystick. Braking intensity is proportional to the movement of joystick away from center, the greater the movement, the fiercer the braking action.

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