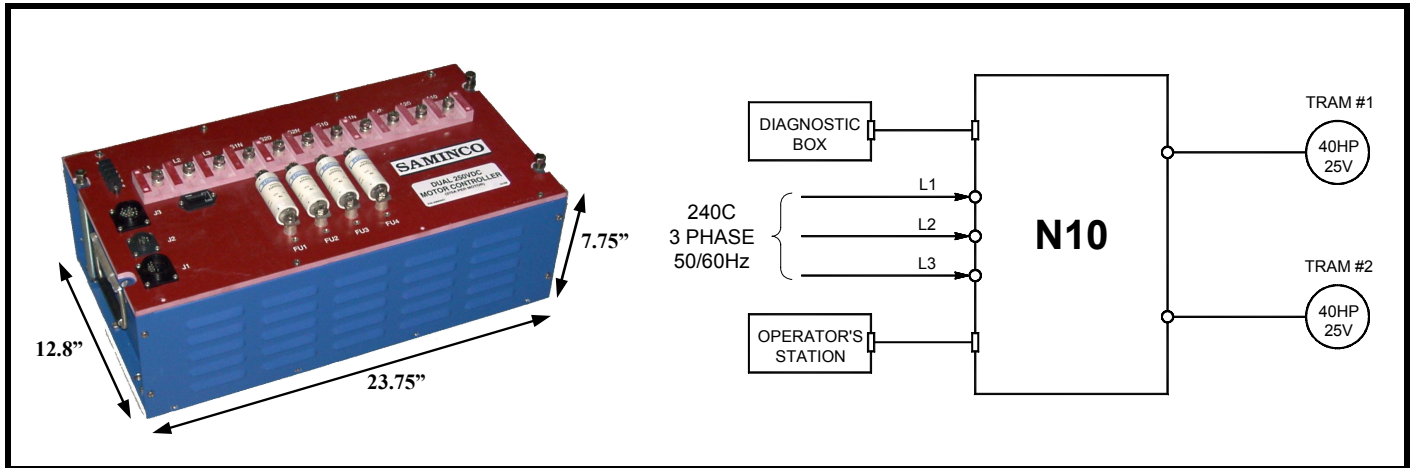


**N10**  
**AC/DC SHUTTLE CAR**  
**TRAM CONTROLLER**  
**240VAC INPUT**



- Provides infinitely variable, reversible speed control for dual 20 to 40Hp/250VDC shuttle car tram motors
- Simple to install, compact enclosure houses all power control devices
- Solid state reversing eliminates maintenance problems associated with contactors
- Operator-adjustable regenerative braking assures excellent control when descending steep grades
- Powerful! 375A output current per motor allows full load tramming up steep grades
- Comprehensive, simplified diagnostics aids mine troubleshooting

**Saminco Part Number: A800441**

**Specifications:**

**Motor Ratings:** 20 to 40HP/250VDC

**Input Voltage:** 240VAC 3ph, 50/60 Hz

**Output Voltage:** 0 to 300VDC

**Output Current:** 0 to 375A for each tram motor

**Regenerative Current Range:** 0 to 150A per motor

**Protection:** Customer must provide a 400A circuit breaker in AC line primary to the transformer. Each motor must be protected by means of a thermal O/L relay.

**Intrinsically Safe Barrier:** Customer must provide Intrinsically Safe Barrier inside XP enclosure to interface between the N10 unit and external tram switch. This barrier is not needed if the external control is mounted in a MSHA approved XP enclosure.

**Installation:** Installation kit available which includes diagnostic board, control cables, and transformer. Foot or hand tram switches are available at extra charge.

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