
SAMINCO

ELECTRIC TRACTION DRIVES

SR7

1kV *Series*

Solid State Soft Starter

- Adjustable Acceleration and Deceleration Ramps
- Dual Ramp Settings
- Adjustable Jog Settings
- Kick Start Settings
- Programmable Output Relays

**CRUSHING STRENGTH POWER
WITH A HEAVY DUTY STARTER**

SR7 1kV Soft Starter Advanced Motor Protection

- Start & Run Protection
- Real-Time Thermal Modeling
- Retentive Thermal Memory
- Dynamic Reset Capacity
- Phase Current Imbalance/Loss Protection
- Electronic Shear Pin Protection
- Load Loss Trip Protection
- Over Temperature
- Coast Down (Back Spin) Lockout Timer
- Starts-per-Hour Lockout Timer
- Phase Rotation
- Shorted Load
- Short Circuit
- Shorted SCR
- Shunt Trip



SR7 Operator Interface

Operator Interface

LED readout	4 digit alpha numeric, high brightness, 7 segment display
Keypad	7 function keys with tactile feedback
Status Indicators	8 LEDs for run and fault indication
Remote Capability	Up to 10 ft (3 meters) with NEMA1 or NEMA12 mounting kit

Metering Functions

Phase Currents	0 - 9999 amps, Phase A, B, or C
Thermal Capacity	0 - 100% of remaining motor thermal capacity
Elapsed Time	0 - 9,999,000 hours
Run Cycle Counter	0 - 99,990,000 run commands
Fault History	Last 3 faults, including time and date stamps for each

Processor Intelligence

Real Time Clock	Lithium ion battery for clock memory only, 10+ year life span.
Customer Settings	Non-volatile EEPROM, no battery backup necessary
Operating Memory	DRAM, loaded from EPROM and EEPROM at initialization
Factory Default Storage	Flash EPROM, field replaceable

Serial Communications

Protocol	Modbus RTU, RS232/RS485 up to 247 devices per network node
Functionality	Full operation, status view and programming via the comm port

OTHER PRODUCTS AVAILABLE FROM SAMINCO INC.

- Starter Boxes
- 2.3kV - 15kV Soft Starter Packages
- Synchronous Motor Starters
- Wound Rotor Starters
- Load Break Switch Controls
- VFD Ventilation Systems
- VFD Pump Systems
- VFD / 230 to 15kV / 1 - 10,000 HP
- DC Drives / 230 to 690V / 5 to 2,000 HP
- Medium Voltage Motors up to 13.2kV / 15,000 kW

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