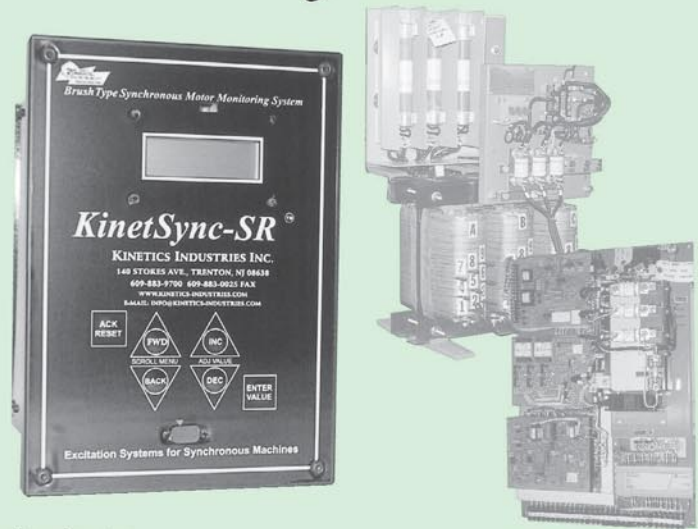


Provides starting and operating control, protection, and fault annunciation

KinetSync™-SR provides:

- Protection and control needed for the specific application of “Brush” or “slip ring” type synchronous motors.
- Continuous monitoring of motor and field operation during motor start, run and shut-down.
- Digital logic control with analog interfacing.
- Designed for ease of application and startup.
- Assurance of field discharge path.
- Motor start incomplete sequence protection.
- Field loss protection.
- Motor pull-out-of-synchronization protection.
- Locked rotor protection.
- Control voltage signal for field application at the proper speed and phase angle.
- Includes a ready to use RS232 communication port.
- At unit touch pad parameter of operation adjustment.
- Security code protection by touch pad operation.
- Power factor monitoring and vernier signal for interfacing with a regulated field exciter.
- Back lit LCD annunciation screen for continuous display of motor field amps, field volts, power factor and motor operational status.
- System “problem” flashing LED annunciation.
- LCD screen displays cause of “fault” or system “problems”.

KinetSync™-SR



KinetSync™-SR Key Features:

- Continuous digital display of motor power factor, exciter DC amps, exciter DC volts and motor operational status.
- Back lit LCD text display screen.
- Programmable touch pad security code for operation protection feature.
- Motor fault/trip history memory registry with time and date by external computer access via Windows based software.
- Unit pre-programmed for immediate installation and operation of a “brush type” synchronous motor.
- Fused PT disconnect terminal.
- Quick disconnect connections.
- Ring lug connections for CT & PT signal terminal points.
- Through enclosure door mounting case.

KinetSync™ SR Options Available:

- RS485 configuration communication module.
- Time/dated stamped fault history export capability.
- Specialty motor, mode of operation and control programming.
- Allowable re-synch attempts lockout control.
- Field exciters, field application method and discharge resistors.

Excitation System Option:

- The KinetSync™-SR is the control and monitoring portion of a complete “brush” or “slip ring” type synchronous motor excitation system. A complete system requires a KinetSync™-SR, field exciter, method of field application and discharge resistors. Kinetics manufactures all the required sections of a synchronous motor excitation system. A complete system or sectional components are available from Kinetics.
- Kinetics manufactures solid state field/discharge resistor application systems in combination with a Kinetics SVR excitation rectifier; Kinetics’ 100% solid state SCR switching excitation application system model type SynchApp-SS.
- Contractor applied field/discharge resistor systems are available for applications with an existing DC power source. Kinetics model type Synch App-C.




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For “brushless” type synchronous motor controls see the *KinetSync™-NB* monitor/controller

KinetSync™-SR

Brush Type Synchronous Motor Control & Monitoring System

Name: _____ Date: _____

Company: _____

Tel: _____ Fax: _____

E-mail: _____

Motor Mfr: _____ HP: _____ RPM: _____

Application: _____

Motor VAC: _____ Control voltage: _____

Motor starting: Full volts: _____ Reduced voltage: _____

CT ratio: _____ PT ratio: _____

Field VDC _____ Field ADC _____ Field Ohms: _____

Exciter required: YES / ON _____ Type: _____

Regulated: Voltage _____ Current _____ PF _____ Other _____

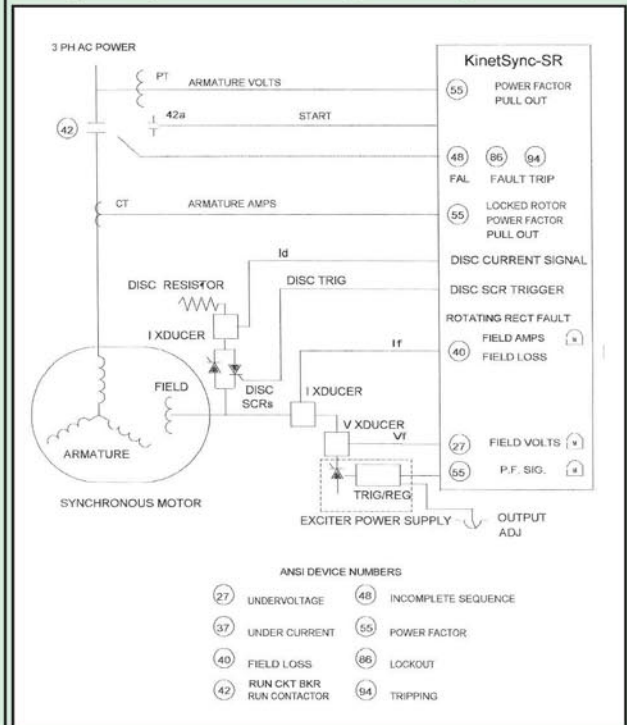
Field discharge resistors required: _____ Ohms

Open panel in enclosure by other: _____

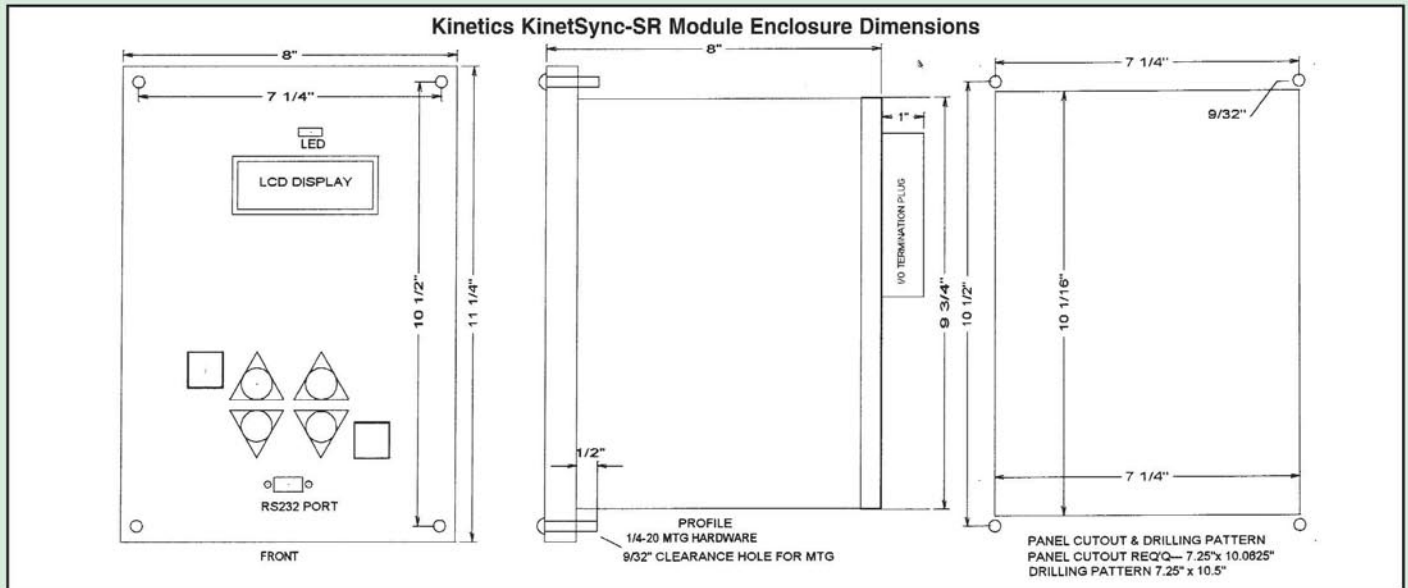
New enclosure by Kinetics: _____ NEMA: 3R 12 4 4x: _____

Additional information: _____

Typical System One-Line Diagram Configuration



Kinetics KinetSync-SR Module Enclosure Dimensions



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Fax: 609-883-0025

Also available from Kinetics

- Mill duty, AC to DC, rectifiers & power supplies 1 to 2000 Kw
- Brush type motor, 100% solid state, field application system.
- Contactor applied field application panels.
- Regulated or constant potential exciters.
- Generator excitation systems.
- Exciter, EPT, dry type transformers 500 VA to 2000 KVA
- Enclosures for NEMA1, 3R, 4, 4X & 12 applications
- Crane & magnet rectifiers 1 to 2000 Kw
- The most extensive line of excitation products on the market from one source - Kinetics

Email: info@kinetics-industries.com WEB: <http://www.kinetics-industries.com>

For "brushless" type synchronous motor field controls see Kinetics' model *KinetSync™-NB*