



Designed & Manufactured By :

alfa electricals An ISO 9001:2008 Certified Co.

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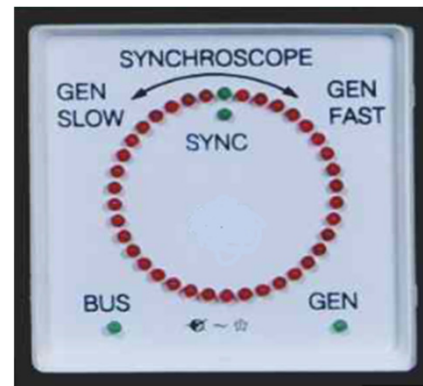
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Dark & Bright
Lamp
Method



Digital
Synchroscope
Method



Technical Specifications :

DC Machine :

Type : SPDP Shunt
Ratings : 3.7 Kw/5 HP
Voltage : 220 V DC
Speed : 1500 RPM
Insulation Class : B / F

Synchronous Machine :

Type : Salient Pole & Cylindrical
Ratings : 3 Kva
Voltage : 415 V AC
Speed : 1500 RPM
Insulation Class : B / F

Synchronization of Two Alternators :

Synchronization of Two Alternators is a very critical operation in Power Plants during Change Over, Load Sharing & Switching Over requirements. The System is designed for students to learn the parallel operation of two alternators.

Sylindrical type and Salient Pole, both type Alternators are provided to enhance the study the functions of both types of Alternators.

The system is allowed students to learn both the methods - Dark & Bright Lamp conventional Method as well as advanced Digital Synchroscope Method.

Control Panel with MMIC Diagram provides an ease for connections.

All Digital Meters are provided to measure AC and DC Parameters. The system is smartly designed with interlocking system to avoid accidents or damages to the machines during the operation. Proximity Sensor based digital speed measurement system can be also supplied on request.

Customized and Tailor made design can be done as per specific requirement of customer.

Features :

- 100 % Copper Windings
- Armature Stampings made from electrical grade Silicon Steel
- Dynamically Balanced skewed Rotor for Noise & Vibration free operations
- Constand & Uniform Pressure Carbon Brush Holders - Lesser Sparking
- Heavy duty 'C' channel base structure with Anti-Vibration Pad
- Easy Installation and Portability - No Civil Work or foundation required
- Choice for Digital or Analog Meters
- Can be Synchronized with transmission line also