



SALIENT FEATURES

- Completely self contained stand alone unit
- Firing Scheme using opamps and gates
- Motor overload protection.
- Positive Bridge and Negative Bridge per phase
- Power Circuit using 24 SCR's
- 3 Φ 0.5HP Synchronous motor with loading arrangement.
- Divide by 2, 3 and 4 Frequency

TECHNICAL SPECIFICATIONS

- Firing Circuit - Firing scheme using Opamps and gates.
- Power Circuit - Positive Bridge and Negative Bridge per phase. Total of 24 SCR's
- Protection - i. Fuse protection for all phases
- Controls - i. 3 Φ Mains ON / OFF Switch
ii. Speed Control Potentiometer
iii. Divide by Frequency Switch
iv. 3 Φ Power Circuit ON / OFF Switch
- Meters - i. Digital Voltmeter for Motor Voltage
ii. Digital Currentmeter for Motor Current
iii. Digital RPM Meter for speed of motor
- Indicators - i. 3 Φ R, Y, B Indicators
- Connectors - i. 4 way for incoming 3 Φ Supply
ii. 4 way for variable supply from Variac to Power Circuit
iii. 6 way for Synchronous Motor
iv. Proximity Sensor

EXPERIMENTS

- To study the operation of a firing circuit of a 3 phase Cycloconverter.
- To study the operation of Speed Control of 3 phase Synchronous Motor for different "Divide by Frequency" setting.

SPECIFICATIONS ARE SUBJECT TO CHANGE DUE TO CONSTANT
DEVELOPMENTS WITHOUT ANY PRIOR NOTICE

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