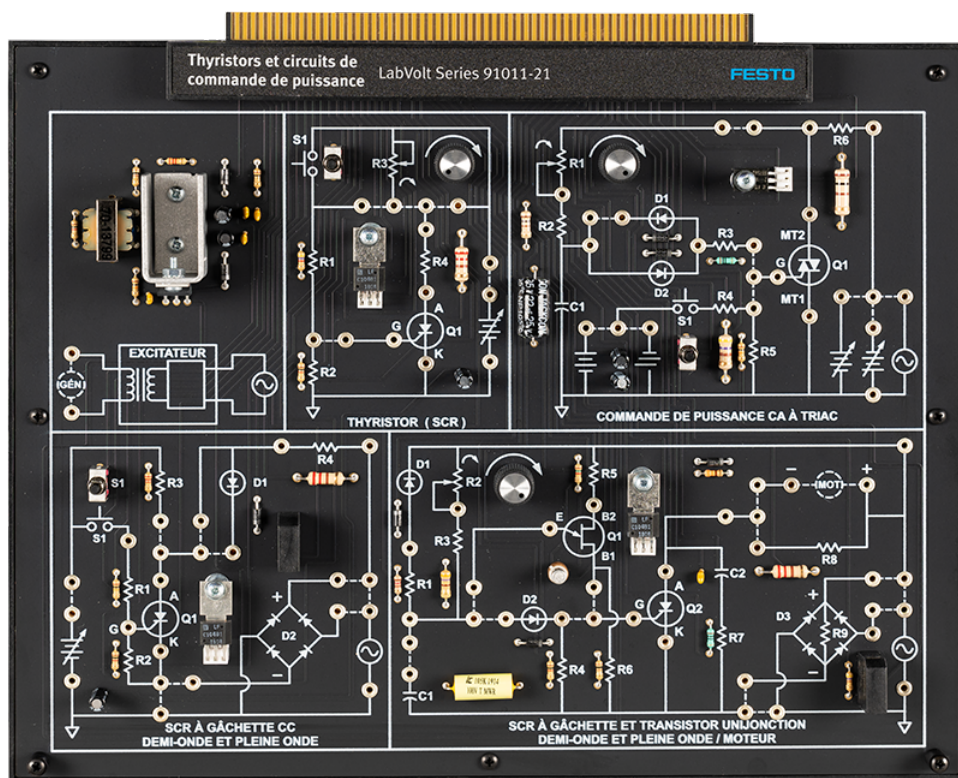


Thyristors and Power Control Circuits FACET Board 580997 (91011-20)



LabVolt Series

Datasheet



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en
05/2024

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General Description

The Thyristors and Power Control Circuits module enables students to perform practical exercises that demonstrate thyristor and power control circuit fundamentals.

The system contains the following circuit blocks:

- Driver
- Silicon Controlled Rectifier (SCR)
- Triac AC Power Control
- SCR DC Gate Half-wave and Full-wave
- SCR AC Gate and UJT Half-wave and Full-wave/Motor

Topic Coverage

- Thyristor: Component Familiarization, Circuit Fundamentals
- Silicon Controlled Rectifier (SCR): Testing, DC Operation, Gate Trigger Voltage and Holding Current
- Rectifiers: Half-Wave Rectifier, SCR Controlled Half-Wave Rectifier, Full-Wave Rectifier, Phase Control
- UJT: Characteristics, Half and Full-Wave Phase Control
- Bidirectional Conduction, Triggering Modes (4)
- Troubleshooting Basics and Troubleshooting Thyristor Circuits

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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