

## Course description

# G587e - DCT880 Firmware

## Internet Course (EN)

### Course Duration

0.5 hours, depending on personnel knowledge.

### Course type

This course includes self-study material.

The language of the course is English.

### Course Goal

The goal of this course is to understand the firmware structure of the DCT880 thyristor power controller.

The training covers the following topics:

- Firmware structure overview
- Command selection
- State machine
- Reference selection
- Limits
- Control mode selection
- Firing mode selection
- Monitoring and feedback signals

### Student Profile

Product engineers and engineering people who are planning, installing and servicing the DCT880 thyristor power controller.

### Prerequisites and Recommendations

The student should have:

- Basic knowledge about electrical wiring
- Basic knowledge of drives or power controller engineering
- Physical understanding for electric heating application

### Preparation e-Learning courses

E-learning course **G585e - DCT880 Basics** and **G586e - DCT880 Hardware T1 – T4** to attending this course is needed.

### Course Objectives

Upon completion of this course, students will be able to:

- Know the firmware of the DCT880 thyristor power controller
- Know the command and reference selection of the DCT880
- Know the different modes selection of the DCT880
- Know the monitoring and feedback signals of the DCT880

### Main Topics

Firmware structure

Commands and state machine

Configuration of reference sources

Selection of different control and firing modes

Feedback and monitoring

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**ABB Automation Products GmbH**

**Motors and Drives**

Wallstadter Straße 59

D-68526 Ladenburg

Germany

[dc-drives@de.abb.com](mailto:dc-drives@de.abb.com)

[www.abb.com/motors&drives](http://www.abb.com/motors&drives)