SIEMENS

SINAMICS G120P for Heating, Ventilation, and Air-conditioning Systems Course (DR-G12P)

Objectives

In building management systems, pumps and fans are increasingly being operated using frequency converters. The SINAMICS G120P converter with CU230P-2 BT or CU230P-2 HVAC control unit is ideally suited to this purpose. In addition, external components may be reduced due to integrated converter functions.
Once you have completed this course, you will be able to commission your drive as required. Should faults occur, you will be familiar with diagnostic and troubleshooting procedures. You will also have acquired sufficient knowledge of the extensive functions and various interfaces. As such, you will be able to assign parameters to the drive for autonomous operation and control system operation.

Target Group

Project managers, project assistants
Startup engineers, configuration engineers
Service personnel

Content

Principle and structure of the modular SINAMICS G120P converter
Commissioning and diagnostics with:
Operator Panel BOP-2 and IOP
STARTER software
Data backup and standard commissioning
Setpoint channel, closed-loop control and control signals
Interfaces and internal signal connections
Converter functions:
Automatic restart, flying restart, essential service mode
Bypass, cascade connection, load torque monitoring
PID controller, multi-zone control, hibernation
Line and motor connection
Correct installation and wiring
Line harmonic distortions by frequency converter
Features of the PM230 power module
Practical exercises for commissioning training devices with SINAMICS G120P

Prerequisites

Basic knowledge of electrical engineering.

Note

This course is specially targeted at the heating, ventilation, and air-conditioning sectors, in particular using the CU230P-2 BT or CU230P-2 HVAC control unit.
If you use SINAMICS G120 with CU240 control unit, then we would recommend course DR-G120.

Type

Face-to-face training

Duration

2 days

Language

en

Fee

1,360 GBP