



Telemecanique®

Automation and Control Services

Customer Training

Maintenance and troubleshooting for Altivar® variable frequency drives



With Telemecanique® brand products, Schneider Electric is a leading supplier of variable frequency drives and soft starters in the world market. We are now uniquely positioned in the marketplace as a premiere provider of both automation solutions and services. We proudly offer training to complement our drives solutions.

Our Variable Frequency Drives (VFD) and soft start training courses range from those aimed at giving the student a good basic knowledge of the principles of operation to a firm understanding of how to configure and parameterize the products. They cover a variety of topics including principles of AC variable frequency control, drive communications, programming principles, hardware set-up, fault diagnosis, troubleshooting, and maintenance. Courses are augmented with hands-on practical exercises on live equipment.

Course information

Introduction to Variable Frequency Drives	Altivar® Drive Maintenance and Troubleshooting	Variable Frequency Drives Communications
<ul style="list-style-type: none"> ■ Understand the principles of AC variable frequency control ■ Understand the construction and characteristics of AC induction motors ■ Vary the frequency of AC induction motors ■ Identify the differences between variable and constant torque applications ■ Understand the principle of operation of VFDs for simple applications ■ Select motors and VFDs for simple applications 	<ul style="list-style-type: none"> ■ Start-up, maintain, and troubleshoot the Altivar drives series ■ Identify the hardware components of Altivar AC drives ■ Modify the parameters of the Altivar AC drives ■ Interpret diagnostic fault messages of Altivar AC drives <p>Courses are available for various Altivar VFDs including Altivar 31, 58, 66, 71</p>	<ul style="list-style-type: none"> ■ Describe the different methods of communication and protocols used by VFD products and their common use ■ Set up and configure communication links with other devices such as human machine interfaces and programmable logic controllers ■ Use communication links to control a drive and display its status and fault logs

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Benefits of the Telemecanique® Automation Training program include:

- Expert instruction directly from the manufacturer, ensuring accurate, up-to-date material to make maximum use of your valuable time
- Regional training centers to minimize travel costs
- Professional simulation equipment that ties classroom instruction to real-world applications, so it's easy to apply what you've learned when you get back to work
- Optional on-site instruction that can bring an entire department up-to-date at minimal per-student cost

These courses are scheduled throughout the U.S. in a number of different regional training venues. Alternatively, if you have multiple students who would benefit from a course, you can minimize your travel and logistics costs by holding classes at your facility.



Introduction to Variable Frequency Drives	Altivar® Drive Maintenance and Troubleshooting	Variable Frequency Drives Communications
One day	Two days	Two days
<ul style="list-style-type: none"> ■ Course code H404M1 ■ On-site Course P/N OSH404M1 ■ Scheduled Course P/N SCH404M1 	<p>Altivar 31</p> <ul style="list-style-type: none"> ■ Course code H403M1 ■ On-site Course P/N OSH403M1 ■ Scheduled Course P/N SCH403M1 <p>Altivar 71</p> <ul style="list-style-type: none"> ■ Course code H405M1 ■ On-site Course P/N OSH405M1 ■ Scheduled Course P/N SCH452M1 <p>Altivar 58</p> <ul style="list-style-type: none"> ■ Course code H402M1 ■ On-site Course P/N OSH402M1 ■ Scheduled Course P/N SCH402M1 <p>Altivar 66</p> <ul style="list-style-type: none"> ■ Course code H401M1 ■ On-site Course P/N OSH401M1 ■ Scheduled Course P/N SCH401M1 	<ul style="list-style-type: none"> ■ Course code H406M1 ■ On-site Course P/N OSH406M1 ■ Scheduled Course P/N SCH406M1

For more information on these and other training courses, please call 800-468-5342, option 4. To view schedules and pricing, visit us on-line at www.us.telemecanique.com and select Service Support.

Schneider Electric - North America

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