

FSO Safety Module

G385 Course Description

Tuition Fee - \$625 per student – End-User

The tuition fee is \$300 for ABB authorized channel partners.

G385 – FSO Safety Module Training

The FSO Safety Module Training course provides the student with comprehensive instruction in the installation, wiring, and commissioning of the FSO-12.

FSO Safety Module Training course for the ACS880 drive focuses on the FSO-12 module and Drive Composer. The course includes install and commissioning practices for applications needing safety functions.

Course Goals

To provide students with the necessary information, tools and training to be able to assess an FSO installation, to configure the drive, the FSO, and fill out the necessary documentation.

Course Duration

The course includes approximately 1 hour of e-learning and 2.0 days instructor-led training with more than 75% of the instructor-led training being hands-on lab exercises

Course Type

This course utilizes instructor-led training and hands on labs to achieve course objectives.

Student Profile

This training program is intended for ABB authorized channel partners who install and commission the ACS880 and safety application. The students of a FSO Safety Module Training course would typically be responsible for installation and technical services related to maintaining LV Drives.

Prerequisites

- Experience working with power electrical equipment and voltage levels of up to 690Vac
- Basic understanding of LV AC Drives
- Understanding of basic motor control
- Understanding of LV AC Drive operation
- Product operational knowledge of the ACS880 or prior experience using the ACS880
- Attended a Certified Startup Training program for the ACS880
- Familiarity with product commissioning PC tools

FSO Safety Module Training course provides channel partner's trained technicians with the knowledge and capability to install and commission the FSO-12. The certified technician can perform and certify the drive to properly install and configure for service in the application.

Channel Partner advantages:

- Additional customer engagement
- Customer satisfaction

Customer benefits:

- Properly installed and commissioning drive
- Increased production and process up time

Course Objectives

Upon successful completion of this course, students will obtain the following:

- Apply basic safe work practices for installation and commissioning of LV Drives
- Understand the risks associated with LV Drives
- Gain complete understanding of the installation requirements for the FSO-12
- Apply best wiring practices for LV Drives
- Commission an FSO-12 using Drive Composer Pro
- Commission an ACS880 with FSO
- Perform basic commissioning of an FSO-12 including registering the drive with the safety module
- Do basic fault tracing for an ACS880 with the safety option

Student Materials

Each student will receive upon completion of the course:

- Student binder with all training materials
- FSO-12 Safety Functions Module User's Manual
- ACS880 User's Manual

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Course Agenda

Day 1	Day 2
8:00 a.m. – 5:00 p.m..	8:00 a.m. – 5:00 p.m.
Course Introduction	FSO Configuration Lab
FSO Standards and Definations	Summary
FSO Overview	
FSO Configuration	
FSO Configuration Lab	