

Introduction:

The purpose of this document is to provide a basic guideline for the structure and format of the Fiber SenSys FD525 HALO Training Course. This training course covers topics specific to HALO system concepts and installation for the 525 HALO Alarm Processing Unit (APU) and associated hardware.

Objective:

This training program is a supplemental addition to the 500 Series Webinar Training. The objective of the FD525 HALO Training Course is to provide the trainee with basic technical understanding of HALO theory of operation, system design, system components and how to install the hardware to create an optimally performing security system.

Course Agenda

1. Introduction
 - a. Basic HALO fundamentals
 - i. System functional block diagram
 - ii. Basic system layout and topology
 - iii. HALO system specifications and limitations
2. System Installation
 - a. HALO cable installation (Fence)
 - i. Material calculation
 - ii. Cable routing
 - iii. Cable tie installation
 - iv. Service loops
 - b. DB4 installation
 - i. Splicing diagram
 - ii. Component description
 - iii. Installation procedure
 - iv. Installation examples
 - c. Breakout box installation
 - i. Optical design
 1. Tap coupler concepts
 2. Tap coupler implementation
 - ii. Breakout box
 1. Splicing diagrams
 2. Component description
 - a. Breakout box

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- b. End of line terminator (MMEOLT)
- c. Carrier line terminator
- d. Termination box
- 3. HALO cable mid-span entry
- 4. Installation procedure
- 5. Installation examples
- 3. High volume system configuration
- 4. Site certification and maintenance

Time:

Expected time of completion is approximately 2 hours in addition to the 500 Series Training Class. The course can be broken into multiple sessions as needed. The course begins at a time set by the customer(s). Expected time of completion may vary depending on attendee questions and participation.

Requirements:

Laptop with Windows 7, 8, or 10.

Fiber SenSys 500 Series Webinar Training Kit P/N: 982-54405 with appropriate Alarm Processor.

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