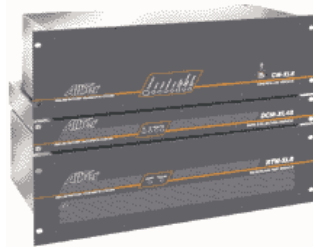


## Training and Education Department Training Course Description



### **Course Name**

BDS Installation Training for Contractors

### **Course Length**

2 days

### **Delivery Location Options**

Alber Pompano Beach Facility Only

### **Tuition**

\$950 per Person

### **Course Description**

This training course prepares installation personnel with the necessary knowledge to properly install the Alber BDS-40, BDS-40 Open Rack, BDS-256 and MPM-100 battery diagnostic systems. Students are taken through an introduction to monitoring system basics common to all products, tool and equipment requirements, introduction to reading Alber installation drawings and the finer details of wiring preparation, proper termination methods and techniques to ensure proper hardware installation. Upon completion of the training, students are required to pass a final examination and receive a minimum passing grade of 80% in order to receive a Certificate of Qualification to become authorized by Alber to install the covered products. Course materials include a CD of the training slides, hard copy installation manuals, note pads, pens and other related materials. Attendees equipped with a notebook PC are encouraged to bring it to class.

### **Prerequisites**

All students should have a good understanding of basic electricity including series, parallel circuits and familiarity with the use of electrical and related hand tools. Previous experience with installation, operation and maintenance of stationary battery systems is a plus.

### **Miscellaneous**

Lunch is provided at the Pompano Beach office each day at no charge to attendees.

Electronic certificates of completion are provided to all students who successfully complete the course.

**Training and Education Department  
Training Course Description**

**Alber BDS and MPM Battery Monitoring Systems  
Installation Training Outline**

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**Basics of System Installation**

- Expectations
  - Safety
  - Parts Inventory
  - Installation and Connection Drawings
  - Tool and Test Equipment Requirements
  - Locating a System Computer
  - Power Requirements
  - Monitor Hardware Location and Ventilation
  - Wiring and Fiber Optic Cable
  - Communications Wiring
- 

**Installing BDS-40 and BDS-40 Open Rack Systems**

- BDS-40 application
  - Locating the Base and Plus units
  - Wire, fiber, cable preparation and termination methods
  - Power supply wiring requirements
  - Options installation
  - Alarms
  - Communication ports
  - Wiring verification
- 

**Installing a BDS-256 System**

- BDS-256 application
- Reading and understanding BDS-256 site specific drawings
- Locating the Controller, ELM and DCM
- Wire, fiber, cable preparation and termination methods
- Options
- Alarms



*Trust Your Batteries™*

*Technology and Solutions for Battery Testing*

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**Training and Education Department  
Training Course Description**

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**Installing an MPM-100 System**

- MPM-100 application
- Locating the unit
- Jacks J1-J7 identification
- Wire, fiber, cable preparation and termination methods
- Power supply wiring requirements
- Options
- Alarms

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**Student Examination**

- Required testing to confirm understanding of the systems
- All testing content will relate to materials covered in the training course
- Minimum passing grade of 80% required

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**Contractor Insurance Requirements**

- Limits of Liability
- Insurance Certificates

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**Facility Tour**

- Tour of Alber assembly facility – time permitting
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