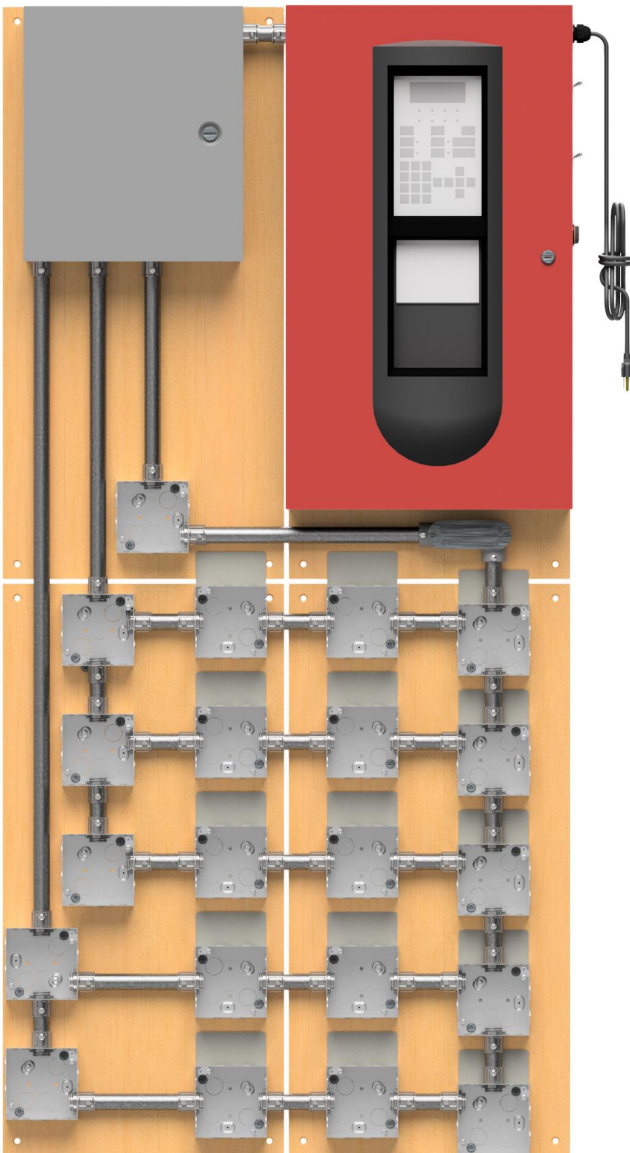


Addressable Fire Alarm Learning System 583750 (46103-B5)

FESTO

LabVolt Series

Datasheet



* The product images shown in this document are for illustration purposes; actual products may vary. Please refer to the Specifications section of each product/item for all details. Festo Didactic reserves the right to change product images and specifications at any time without notice.

Festo Didactic
en 220 V - 50 Hz
04/2023

Table of Contents

General Description	3
Features & Benefits	3
List of Equipment	3
List of Manuals	3
Table of Contents of the Manual(s)	3
System Specifications	4
Equipment Description	4

General Description

Teach the fundamentals of addressable fire alarm systems in a compact workspace

This system is designed to learn the necessary skills to install and wire initiating devices and notification appliances as well as program an addressable fire alarm control panel.

Fire alarm systems utilizing modern technology and employing good engineering practice in the application of codes and standards greatly increase the chances of limiting fire propagation and saving lives.

Addressable fire alarm systems are commonly used in large buildings such as campuses or commercial premises spread over a wide area.

The Addressable Fire Alarm Learning System allows students to learn how to install, wire and test a complete circuit including notification appliances and initiating devices with the same components and tools they would use in their daily job. They also program the fire alarm control panel with the provided software. The system is like a real installation, but in a much smaller form factor, allowing multiple systems to be installed in rooms with limited space.

The manual guides the students step-by-step during their learning process with several photos and illustrations.

Features & Benefits

- Commercial-grade equipment for a realistic learning experience
- Very compact system, ideal for rooms with limited space
- System can be fixed to a wall or to an optional double-sided mobile workstation
- Control panel connections made through an auxiliary panel to protect the integrity of the FACP

List of Equipment

Qty	Description	Model number
1	Control Panel for the Fire Alarm Training System _____	590010 (85213-05)
1	Addressable Fire Alarm System (Student Job Sheets) _____	8093121 (80931-21)
1	Addressable Fire Alarm System (Instructor Guide) _____	8093123 (80931-23)
1	Fire Alarm Parts (Addressable) for the Fire Alarm Training System _____	8095743 (80957-43)

List of Manuals

Description	Manual number
Addressable Fire Alarm System (Workbook) _____	8093121 (80931-21)
Addressable Fire Alarm System (Workbook (Instructor)) _____	8093123 (80931-23)

Table of Contents of the Manual(s)

Addressable Fire Alarm System (Workbook) (8093121 (80931-21))

- 1 Detection Circuit – Class B
- 2 Detection Circuit with T-taps – Class B
- 3 Detection Circuit Using Input Module – Class B
- 4 Detection and Annunciator Circuits – Class B
- 5 Detection and Annunciator Circuits Using an Audible Detector Base – Class B
- 6 Detection Circuit – Class A
- 7 Detection and Annunciator Circuits – Class A
- 8 Detection Circuit Using Isolator Modules – Class A

- 9 Ancillary Equipment Controlled by the Fire Alarm Control Panel

Addressable Fire Alarm System (Workbook (Instructor)) (8093123 (80931-23))

- 1 Detection Circuit – Class B
- 2 Detection Circuit with T taps – Class B
- 3 Detection Circuit Using Input Module – Class B
- 4 Detection and Annunciator Circuits – Class B
- 5 Detection and Annunciator Circuits Using an Audible Detector Base – Class B
- 6 Detection Circuit – Class A
- 7 Detection and Annunciator Circuits – Class A
- 8 Detection Circuit Using Isolator Modules – Class A
- 9 Ancillary Equipment Controlled by the Fire Alarm Control Panel

System Specifications

Parameter	Value
Physical Characteristics	
Required Floor Space (H x W x D)	On Casters, 2135 x 1010 x 800 mm (84 x 39.8 x 31.5 in)

Equipment Description

Control Panel for the Fire Alarm Training System 590010 (85213-05)

The Control Panel for the Fire Alarm Add-On Training System is a control panel of the addressable type for the Fire Alarm Training System. It provides one Class-A or Class-B addressable loop, two Class-A or Class-B output circuits, and a 30-LED annunciator panel.

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

Festo Didactic reserves the right to make product improvements at any time and without notice and is not responsible for typographical errors. Festo Didactic recognizes all product names used herein as trademarks or registered trademarks of their respective holders. © Festo Didactic Inc. 2023. All rights reserved.

Festo Didactic SE

Rechbergstrasse 3
73770 Denkendorf
Germany

P. +49(0)711/3467-0
F. +49(0)711/347-54-88500

Festo Didactic Inc.

607 Industrial Way West
Eatontown, NJ 07724
United States

P. +1-732-938-2000
F. +1-732-774-8573

Festo Didactic Ltée/Ltd

675 rue du Carbone
Québec QC G2N 2K7
Canada

P. +1-418-849-1000
F. +1-418-849-1666

www.labvolt.com

www.festo-didactic.com