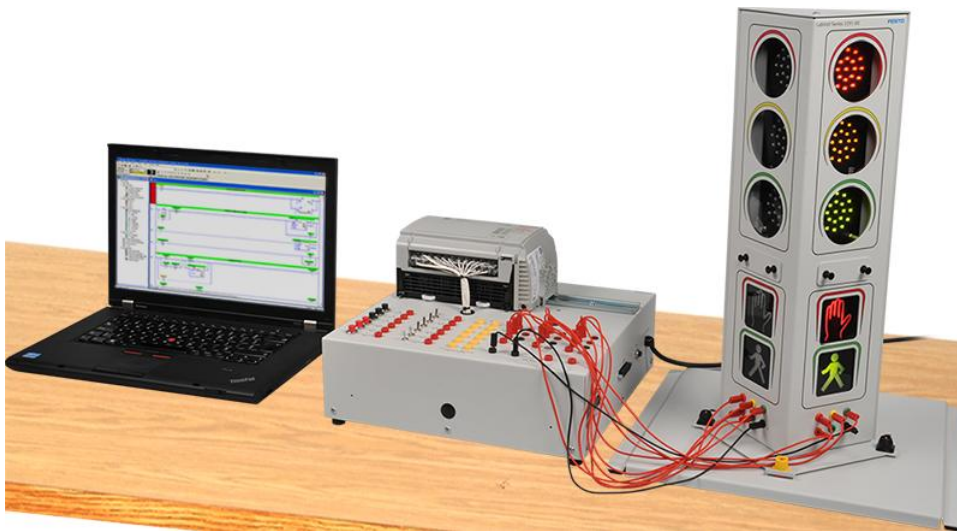


Traffic Light Training System 582532 (8075-10)

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.

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Table of Contents

General Description	3
PLC Compatibility	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

The Traffic Light Training System is a classic PLC training system allowing the implementation of vehicle and pedestrian traffic control at an intersection.

PLC Compatibility

Listed below are the PLC compatibilities with the Traffic Light Training System, Model 8075-1.

- Advanced PLC Training System (Rockwell Automation), Models 3355-0
- Advanced PLC Training System (Siemens), Models 3355-A
- PLC Allen-Bradley MicroLogix 1500, Model 3240-3: Full compatibility
- PLC Allen-Bradley MicroLogix 1200, Model 3240-4: Full compatibility
- PLC Allen-Bradley MicroLogix 1100, Model 3240-A: Partial compatibility only
- PLC Siemens ET200S IM151-8, Model 3240-B: Full compatibility
- PLC Siemens ET200S IM151-8 (with Case), Model 3240-C: Full compatibility
- PLC Siemens S7-222, Model 3270-6: Partial compatibility only
- PLC Allen-Bradley MicroLogix 1100, Model 3270-7: Partial compatibility only

Features & Benefits

- A well-known classic training system
- N-S/E-W traffic control with pedestrian crossing
- Another unit can be added to create a full, four-directions traffic light
- Flow management with proximity detectors (optional)
- Traffic light synchronization
- Fault-insertion capability for troubleshooting
- LEDs (long life)
- Fitted with ten 24 V dc control inputs
- Includes job sheets

List of Equipment

Qty	Description	Model number
1	PLC Applications (Job Sheets - Student) _____	580490 (85249-20)
1	PLC Applications (Job Sheets - Instructor) _____	580491 (85249-30)
1	Traffic Light Module _____	582185 (3291-00)

List of Manuals

Description	Manual number
PLC Applications (Workbook) _____	580490 (85249-20)
PLC Applications (Workbook (Instructor)) _____	580491 (85249-30)

Table of Contents of the Manual(s)

PLC Applications (Workbook) (580490 (85249-20))

- 1 Basic Traffic Light System
- 2 Sequencer Operation
- 3 Proximity Detector and Pushbutton
- 4 Troubleshooting

- 5 Optional Project

System Specifications

Parameter	Value
PLC Requirements - Inputs	
24 V dc	3
PLC Requirements - Outputs	
24 V dc	10
Physical Characteristics	
Intended Location	On a table
Dimensions (H x W x D)	480 x 730 x 390 mm (18.9 x 28.7 x 15.4 in)
Net Weight	TBE

Equipment Description

Traffic Light Module 582185 (3291-00)



The Traffic Light Module reproduces a two-way traffic light, complete with pedestrian signals and the possibility to simulate broken lights. Its realistic appearance and functionalities help make the Traffic Light Training System, Model 8075-1, vivid and compelling to students. The addition of a second unit creates a full, four-direction traffic light.

Specifications

Parameter	Value
Lights	
Number	10 (2 green, 2 yellow, 2 red, 2 walk, 2 don't walk)
Type	LED
Voltage	24 V dc
Fault Switches	8
Physical Characteristics	
Dimensions (H x W x D)	495 x 370 x 326 mm (19.5 x 14.6 x 12.8 in)
Net Weight	5.6 kg (12.4 lb)

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.

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