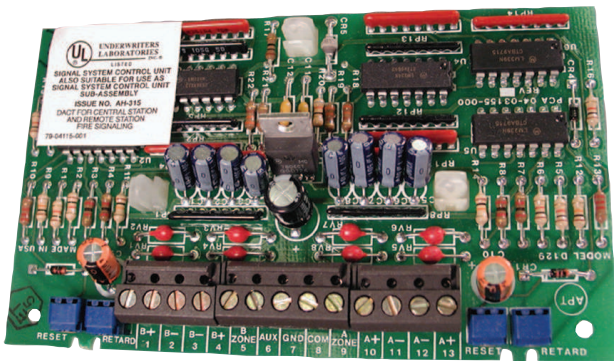


D129 Initiating circuit module, dual class A



The D129 Dual Class A Initiating Circuit Module is a fire system interface for compatible Bosch Fire Alarm Control Panels. The D129 Module has two NFPA Class A (Style D) circuits suitable for use with retarded and non-retarded sprinkler waterflow switches. Each circuit has screwdriver-adjustable potentiometers for alarm retard and alarm reset delay. Separate alarm and retard delay potentiometers for each loop allows connecting different types of initiating devices on one module. Adjust the delay periods to compensate for sprinkler flow valve fanning. Multi-family occupancies, office buildings, and institutional facilities are typical installations where either or both sprinkler and mechanically-actuated devices are required.

System overview

Functions

Style D Circuits

The Style D circuit is a four-wire loop with a feed and return for both the positive and negative sides of the loops. Unlike two-wire loops supervised by end-of-line resistance, Style D circuits can detect alarm conditions even though there is a single open or ground fault in the circuit.

Loop inputs on the D129 module which are not used are terminated with jumpers so they appear as normal loops to the control panel.

- ▶ Adjustable alarm and reset delays
- ▶ Provides two supervised Class A (Style D) loops
- ▶ Reliable terminal connections
- ▶ Suitable for waterflow switches
- ▶ Compensates for sprinkler alarm valve fanning
- ▶ Suitable for mechanical initiating devices

Waterflow Alarm

When using non-retarded waterflow switches on a wet pipe sprinkler system, the D129 module can provide each set of loop inputs with an alarm retard period to compensate for water pressure surges. The maximum retard time is approximately 90 seconds.

i Notice

Use the alarm retard only for wet pipe sprinkler systems using non-retarded waterflow switches.

Regulatory information

Region	Regulatory compliance/quality marks	
USA	CSFM	California State Fire Marshal
	FDNY-CoA	6286 D7412GV4 D9412GV4 NYC COA 6286 2018-2021
	NYC-MEA	12-92-E, Vol. 12 12-92-E, Vol. 12
	NYC-MEA	12-92-E, Vol. XV
	UL	UOJZ: Control Units, System (UL864, 9th edition)
	UL	UL 864 - Standard for Control Units and Accessories for Fire Alarm Systems (10th edition)
	UL	UL 985 - Household Fire Warning System Units (6th edition)

Installation/configuration notes

Compatible Products

The following Bosch control panels are compatible with the module:

Active products:

B9512G/B8512G

Legacy*

D9412G, D7412G, D7212G**, D9412, D7412, D7212** and D7212B1** panels

GV4¹, GV3², and GV2³ panels

D9112B1 and D9112 panels

D8112 panel

D7112 panel

¹ GV4 = D9412GV4, D7412GV4, and D7212GV4** panels

² GV3 = D9412GV3, D7412GV3, and D7212GV3** panels

³ GV2 = D9412GV2, D7412GV2, and D7212GV2** panels

* Legacy products were investigated to comply only to UL864 8th edition

** indicates products which are not UL listed for commercial fire applications

Mounting

The D129 module mounts in a Bosch control panel enclosure or in an adjacent approved enclosure. Auxiliary enclosures must be connected to the control panel enclosure by metal conduit not more than 20 ft (6 m) long. A D137 Mounting Bracket is optional.

Wiring

The initiating device circuits wire directly to the D129 module using the on-board terminal connections. When both Style D loops are being used, connect the module to the appropriate control panel with five separate conductors. Only four conductors are required if using only one of the Style D loops.

Parts included

Quantity	Component
1	Initiating circuit module

Represented by:

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
www.boschsecurity.com/xc/en/contact/
www.boschsecurity.com

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Platz 1
D-70839 Gerlingen
www.boschsecurity.com

North America:
Bosch Security Systems, LLC
130 Perinton Parkway
Fairport, New York, 14450, USA
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
www.boschsecurity.com/xc/en/contact/
www.boschsecurity.com

Quantity	Component
1	Hardware pack
1	Literature pack

Technical specifications

Mechanical Properties

Dimensions (HxWxD): 5 in. x 3 in. x 0.75 in.
(12.7 cm x 7.6 cm x 1.9 cm)

Power Requirements

Current (alarm): 25 mA maximum

Current (standby): 23 mA maximum

Voltage: 12 VDC nominal

Ordering information

D129 Initiating circuit module, dual class A

The D129 Dual Class A Initiating Circuit module is a fire system interface for fire alarm and water-flow alarm applications, the module has two Class A (Style D) circuits, each with a screwdriver adjustable Alarm Retard and Alarm Reset Delay.

Order number **D129 | 4.998.125.827**

Accessories

D137 Accessory mounting bracket for enclosure

Used to mount accessory modules in B8103, D8108A, and D8109 enclosures.

Order number **D137**