D339A Point Contact Module

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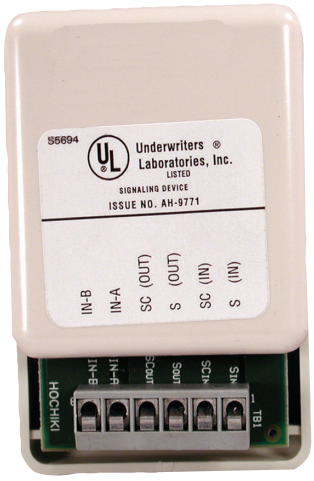

- Digital data communications and power provided over a two-wire circuit
- Class B circuit for dry contact devices
- Two-color status LED: green for normal, red for alarm
- EEPROM addressing in module unit

The D339A Analog Point Contact Module provides a variety of fire alarm functions, such as monitoring manual pull stations, waterflow devices, or other dry contact fire alarm activation applications. The module allows for alarm, trouble, and supervisory conditions. The D339A module is mounted in a plastic enclosure that attaches to the inside of a single-gang back box and is normally out of view.

System overview

The D339A Analog Point Contact Module allows compatible fire alarm control panels (FACP) to supervise Form A or B dry contact devices in a polling circuit. The D339A has an eight-bit microprocessor and communicates with the control panel (both power and data) over a two-wire polling circuit. The initiating device circuit (NFPA Style B) connected to the D339A can have up to 20 normally-open (NO) dry contact devices. Each module can monitor one normally-closed (NC) device (NC devices must be non-alarm applications).

Certifications and approvals

Region	Certification	
USA	UL	UOXX: Control Unit Accessories, System (UL864, 9th edition)
	CSFM	7300-1615-0151
	NYC-MEA	26-02-E, Vol. 3

Installation/configuration notes

The following products are compatible with the D339A Point Contact Module:

Category	Product ID	Product Description
Control Panels:	D8024	Analog fire alarm control panel (FACP)
	D10024A	Analog FACP
Modules:	D9067	Analog polling module
Programmers:	D5070	Analog device programmer

Installation Considerations

There are three steps to installing the point contact module:

1. Set the point address: Use the D5070 Analog Device Programmer to set the address by programming an EEPROM microchip.
2. Connect the wiring: Wiring terminals are clearly marked and the module leaves ample room in the back box for wiring.
3. Mount the module in the back box: The module mounts inside any single-gang back box (secured with a Velcro patch) behind a manual pull station.

Data Circuit Length

Data (or polling) circuit length is the distance over the circuit wire from the connection at the FACP to the most distant device and back to the FACP. Data circuit length must include the distance to any device connected to the circuit in a T tap. The screw terminals can accept up to 14 AWG (ISO 2.5 mm^2) wire, but this reduces the allowable length of the circuit. For specific wire instructions and specifications, see the *D9067 Installation Guide*.

Initiating Device Circuit Connections

The initiating device circuit can use any number of UL-listed normally open (NO) contact closure devices. Device circuit wiring must not exceed 50 Ω. Install contact closure devices according to the manufacturer's installation instructions. All wiring must be supervised and power-limited.

Notice

Do not mix fire alarm initiating and supervisory devices on the same module.

Parts included

Quant.	Component
1	Point contact module
1	EOL resistor. 10 kΩ
1	Velcro pad
1	Literature pack

Technical specifications

Environmental Considerations

Operating Temperature	+32°F to +120°F (0°C to +49°C)

Mechanical Properties

Color	Ivory
Dimensions (H x W x D)	3 in. x 2 in. x 0.75 in. (7.6 cm x 5.1 cm x 1.9 cm)
Material:	Acrylonitrile-chlorinated PE-styrene (ACS)
Response Time:	2 sec
Weight	3 oz (85 g)

Power Requirements

Current	
Alarm:	28 mA
Polling:	0.022 mA ± 20%
Standby:	0.035 mA (typical)
Resistance	
End of Line Device	10 kΩ, 0.25 W per resistor
Initiating Device Circuit	Less than 50 Ω
Voltage (input)	
Nominal:	24 VDC
Range:	17 VDC to 41 VDC

Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Ordering information

D339A Point Contact Module

Allows compatible fire alarm control panels (FACP) to supervise Form A or B dry contact devices in a polling circuit

Order number **D339A**

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