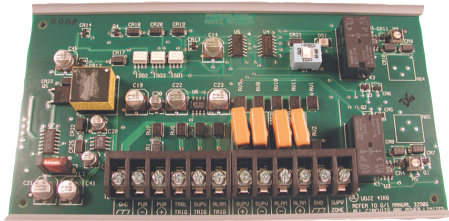




D185 Reverse Polarity Signaling Module



- ▶ **UL Listed for NFPA 72 remote station applications**
- ▶ **Adjustable alarm and supervisory output current**
- ▶ **Alarm activation delay**
- ▶ **System test mode with LED indicator**
- ▶ **Easy installation**

The D185 Reverse Polarity Signaling Module communicates system conditions (alarm, trouble, and supervisory) from a compatible control panel to a monitoring station by reversing or interrupting the polarity of a steady signal it sends over leased telephone company (telco) lines. The module operates over one or two pairs of lines.

Functions

Operation on Telco Phone Lines

Operation on a Single Pair of Telco Lines

If a single pair of telco lines is connected, the module signals an alarm condition by reversing the polarity of the telco output. It responds to a trouble condition by interrupting the current of the telco output. If the module receives an alarm signal when it is in a trouble condition (current interrupted), it restores current and reverses polarity. The alarm output has a 20 sec delay (\pm five seconds).

Operation on Two Pair of Telco Lines

If a second pair of telco lines is connected, the module signals a supervisory condition by reversing the polarity of the supervisory output. The current received at the monitoring station is adjusted by signal adjusters on the module board, one for the alarm and trouble output and one for the supervisory output.

Test Mode

The switch-activated test mode indicates a trouble condition at the control panel and a trouble condition at the monitoring station. The test mode is shown on the module board by a light-emitting diode (LED).

Easy Installation

Mounting the D185 in existing systems is simple with snap-track installation.

Certifications and Approvals

Region	Certification	
USA	UL	UOXX: System Control Unit Accessories
	FM	
	CSFM	7165-1615: 147, 7167-1615: 162, and 7165-1615: 163 7165-1615:227
NYC-MEA	12-92-E, Vol. 12	
	12-92-E, Vols. 14 and 15	
Complies with NFPA 72		

Installation/Configuration Notes

Compatibility Information

The following products are compatible with the D185 Reverse Polarity Interface Module:

Category	Product ID	Product Description
Control Panels:	D9412GV2	Control panel
	D7412GV2	Control panel
	D9412G	G series control panel
	D7412G	G series control panel
	D7024 ^{1, 2}	Addressable FACP
	FPD-7024 ²	Addressable FACP
	DS9400 ¹	Control panel

¹ The D7024 and DS9400 control panels are **not** listed under UL864, 9th edition.

² When used with a D7039 Multiplex Expansion Module, the D7024 and FPD-7024 become addressable fire alarm control panels (FACPs).

Mounting Considerations

The D185 mounts on a supplied snap-track and installs in the FACP enclosure or in a separate, adjacent enclosure connected to the FACP by conduit or other protection against wiring damage. The snap-track is slotted and drilled for quick installation.

Wiring Considerations

The D185 has twelve screw terminal connection points. The six on the left side are input points; the six on the right side are module output points. The screw terminals accept wires with diameters between 22 AWG (0.5 mm) and 12 AWG (2.3 mm).

Parts Included

Quant.	Component
1	D185 module
1	Snap-Track to fit module
1	Literature pack

Technical Specifications

Environmental Considerations

Environment: Indoor, dry

Input (alarm, supervisory, and trouble)

Current:	2.25 mA to 8.1 mA
Voltage (nominal):	12 VDC or 24 VDC

Mechanical Properties

Alarm Activation Delay:	20 ± 5 sec
Dimensions (W x H):	5.875 in. x 3 in. (15 cm x 7.6 cm)

Output

Current Adjustment Range:	2.5 mA to 15 mA
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Power Requirements

Current Draw (alarm):	12 VDC: 300 mA; 24 VDC: 143 mA
Current Draw (idle):	12 VDC: 245 mA; 24 VDC: 120 mA

Ordering Information

D185 Reverse Polarity Signaling Module **D185**
 Communicates system conditions from a compatible control panel to a monitoring station by reversing or interrupting the polarity of a steady signal

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