D307 Remote Test and Indicator Plate

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Invented for life

- Highly-visible LED indicators
- Sensitivity voltage test point
- Key-operated remote test and reset switch
- Easy to mount and wire

Use the D307 Remote Test and Indicator Plate with the D296 and D297 Long-Range Beam Smoke Detectors and the D340 Series Duct Smoke Detector Housings. This plate has LEDs to indicate the detector's status, test points to read the signal voltage, and a key-operated test switch to test or reset the detector.

Functions

Alarm Testing
Use the operating key to turn the switch to the TEST position to activate a fire alarm. Turn the switch to RESET to reset the detectors.

Sensitivity Testing
Connect a standard volt-ohm meter (VOM) to the D307 voltage monitor plugs to check the D296 and D297 detectors and D340 Series duct housings sensitivity level after installation. The voltage reading decreases as the signal level approaches alarm. For the D296 and D297 detectors this is caused by dust or dirt buildup on the lenses or beam misalignment. For the D340 Series housings this is caused by dust or dirt buildup in the detector head smoke chamber. Refer to the troubleshooting section of the *D296-D297 Long-range Beam Smoke Detectors Installation Instructions* (P/N: 31344) for proper voltage readings. Refer to the related detector head installation instructions for the proper voltage levels for the D340 Duct Smoke Detector Housing, D343 Duct Smoke Detector Housing, and D341/D342 Duct Smoke Detector Housings.

Certifications and approvals

Region	Certification	
USA	UL	URRQ: Smoke-automatic Fire Detector Accessories (ANSI/UL 268) and URRQ7: Smoke-automatic Fire Detector Accessories Certified for Canada (CAN/ULC-S529)
	CSFM	see our website

Installation/configuration notes

Compatible Products
The following products are compatible with the D307 Remote Test and Indicator Plate:

Category	Product ID	Product Description
Detectors	D296	Projected beam smoke detector (24 VDC)

	D296-CAN	Projected beam smoke detector (24 VDC) for Canada
	D297	Projected beam smoke detector (12 VDC)
	D297-CAN	Projected beam smoke detector (12 VDC) for Canada
Duct	D340	Two-wire duct detector housing
Detector	D341	Four-wire duct detector housing (120 VAC)
Housings	D342	Four-wire duct detector housing (220/240 VAC)
	D343	Multiplex duct detector housing

Mounting
Mount the D307 on a standard double wire-mold box.

Wiring Considerations
The D296/D297 detector or the D340 Series housing requires eight conductors. Use 18 AWG (ISIO 0.75 mm^2) wire or larger. Mount the D307 no more than 100 ft (30.5 m) from the D296/D297 detector or no more than 500 ft (152 m) from the duct housing.

Parts included

Quant.	Component
1	D307 Remote Test and Indicator Plate
1	Hardware pack
1	Literature pack

Technical specifications

Environmental Considerations

Temperature (operating):	0°F to +130°F (-17.8°C to +54°C)

Power Requirements

Current:	Alarm: 15 mA at 24 VDC Standby: 5 mA at 24 VDC D340 Series: 140 mA at 24 VDC test mode
Voltage:	Detectors: 10 VDC to 32 VDC Housings: 24 VDC

Ordering information

D307 Remote Test and Indicator Plate
Used with the D296 and D297 Long-Range Beam Smoke Detectors and the D340 Series Duct Smoke Detector Housings
Order number **D307**

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