

# D344-RL Remote Indicator Plate

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- ▶ Highly-visible LED indicators
- ▶ Sensitivity voltage test point
- ▶ Easily mounted and wired
- ▶ Attractive faceplate

Use the D344-RL Remote indicator plate with the:

- D340/D341/D342 Families of duct smoke housings
- D343 (legacy product) Family duct smoke housing
- D296/D297 Long-range beam smoke detectors

The indicator plate's LED indicates the detector's status/condition, and has points to read and test the sensitivity voltage.

## Functions

### Sensitivity Testing

Connect a standard volt-ohm meter (VOM) to the voltage monitor plugs on the indicator plate to check the detector's sensitivity level after installation. The voltage measurement decreases as the signal level approaches alarm. This is caused by dust or dirt buildup in the detector head smoke chamber. Refer to the detector/housing's installation instructions for proper voltage readings.

## Certifications and approvals

Region	Certification	
USA	UL	URRQ: Smoke - Automatic Fire Detector Accessories (UL268), URRQ7: Smoke - Automatic Fire Detector Accessories (UL268) Certified for Canada (cULus)
	CSFM	see our website

## Installation/configuration notes

### Compatible Products

The following products are compatible with the D344-RL Remote indicator plate:

Category	Product ID	Product Description
Duct Housings	D340	Duct smoke housing, 2-wire
	D341	Duct smoke housing, 4-wire 24/120V
	D342	Duct smoke housing, 4-wire 24/220/240V
	D343	Multiplex duct detector housing (legacy product)

Duct Smoke Detectors	D285DH	Duct smoke head, 2-/4-wire 12/24V
Beam Smoke Detectors	D296	Smoke detector, long-range beam 24V
	D297	Smoke detector, long-range beam 12V

### Indicator plate mounting

Surface-mount the plate on a single-gang or on standard single wire-mold box, or flush mount it. When using 18 AWG (ISO 0.75 mm<sup>2</sup>) wire, mount the plate ≤500 ft. (152 m) from the detector/housing. When using 22 AWG (ISO 0.34 mm<sup>2</sup>) wire, mount the plate ≤200 ft. (61 m) from the detector/housing.

### Wiring considerations

A wiring harness (five-wire) and test coil are supplied with the duct housing. The harness connects the power card in the D340/D341/D342 or D343 (legacy product) housing to the remote indicator plate. The supplied wiring harness and test coil are not used on the D296/D297 beam smoke detectors. It connects detector head to the power card of the duct housing.

### Parts included

Quantity	Component
1	D344-RL Remote indicator plate
1	Wiring harness <sup>1</sup>
1	Hardware pack
1	Literature pack

<sup>1</sup> The wiring harness is not used with beam smoke detectors.

### Technical specifications

#### Environmental

Temperature (operating): -22°F to +130°F (-30°C to +54°C)

*For UL Listed requirements, the operating temperature range is +32°F to +100°F (0°C to +37.8°C).*

#### Power

Voltage: 10 VDC to 32 VDC, 24 VDC nominal

Current :when used with D340 Family housings

- Alarm: 20 mA at 24 VDC
- Standby: 10 mA at 24 VDC

Current when used with beam smoke detectors

- Alarm: 15 mA at 24 VDC
- Standby: 5 mA at 24 VDC

### Ordering information

#### D344-RL Remote Indicator Plate

Use with a D340/D341/D342 or D343 (legacy product) Duct smoke housing or D296/D297 Long-range beam smoke detector.

Order number **D344-RL**

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