

# D306 Remote Indicator Plate

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- ▶ Highly-visible LED indicators
- ▶ Sensitivity voltage test point
- ▶ Easy to mount and wire
- ▶ Attractive faceplate

Use the D306 Remote Indicator Plate with the D296/ D297 Long-Range Beam Smoke Detectors and the D340 Series Duct Smoke Detector Housings. This plate has LEDs to indicate the detector's status and test points to read the sensitivity voltage.

## Functions

**Sensitivity Testing**  
Connect a standard volt-ohm meter (VOM) to the D306 voltage monitor plugs to check the D296/D297 and D340 Series sensitivity level after installation. The voltage read decreases as the signal level approaches alarm. For the D296/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 Installation Instructions* (P/N: 31344) or to the related detector head installation instructions for the proper voltage readings.

## 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 D306 Remote Indicator Plate:

Category	Product ID	Product Description
Detectors	D296	Projected beam smoke detector (24 VDC)
	D297	Projected beam smoke detector (12 VDC)
Duct	D340	Two-wire duct detector housing
Detector	D341	Four-wire duct detector housing (120 VAC)

Housings	D342	Four-wire duct detector housing (220 VAC and 240 VAC)
	D343	Multiplex duct detector housing

### Mounting

Mount the D306 on a single-gang box or on a standard single wire-mold box, or it can be flush mounted.

### Wiring Considerations

The D296/D297 detector or the D340 Series housing require five conductors. A minimum of 22 AWG (ISO 0.34 mm<sup>2</sup>) wire is recommended.

When using 18 AWG (ISO 0.75 mm<sup>2</sup>) or larger wire, mount the D306 no more than 500 ft (152 m) from the detector receiver or duct housing. When using 22 AWG (ISO 0.34 mm<sup>2</sup>), mount the D306 no more than 200 ft (61 m) from the detector receiver or duct housing.

### Parts included

Quant.	Component
1	D306 Remote Indicator Plate
1	Hardware pack
1	Literature pack

### Technical specifications

#### Environmental Considerations

Relative Humidity:	0% to 95%, non-condensing
Temperature (operating):	-22°F to +130°F (-30°C to +54°C)

#### Power Requirements

Current:	5 mA at 24 VDC standby 15 mA at 24 VDC alarm
Voltage:	10 VDC to 32 VDC

### Ordering information

#### D306 Remote Indicator Plate

Used with the D296/D297 Long-Range Beam Smoke Detectors and the D340 Series Duct Smoke Detector Housings

Order number **D306**

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