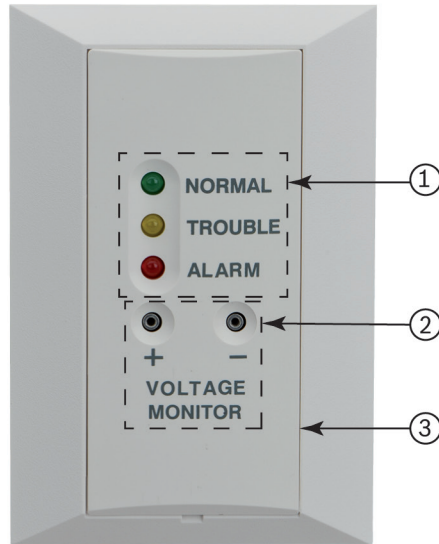


## 1 | Overview

Use the D344-RL Remote Indicator Plate with a D296/D297 Long-Range Beam Smoke Detector or a D340 Family Duct Smoke Detector Housing (D340/D341/D342). This plate has LEDs to indicate the detectors' status and condition and a point to read and test the sensitivity voltage. For additional information on installing and wiring the D344-RL, see the:

- D296/D297 Installation Instructions
- D340 Installation Instructions
- D341/D342 Duct Smoke Detector Housing Installation Instructions



### Callout – Description

1 – LED indicators

2 – Sensitivity voltage indicators

3 – Removable cover (two mounting screws are under the cover)

## 2 | Installation

Install the detector or detector housing to which you want to connect the indicator plate and ensure the detector is working properly. The maximum distance between the indicator plate and the detector/housing to which it is connected can be:

- 500 ft (152 m) when using 18 AWG (ISO 0.75 mm<sup>2</sup>) wire
- 200 ft (61 m) when using 22 AWG (ISO 0.34 mm<sup>2</sup>) wire

You can mount the indicator plate to an electrical box (single gang or standard single-wire mold) or you can flush mount it. Five conductors are required between the D296/D297 receiver or the D340 Family housings and the indicator plate.



### NOTICE!

Before routing any wire, ensure all wiring is unpowered.

## 2.1 | Electrical box installation

1. Mount the box within the maximum distance from the detector/housing based on wire gauge.
2. Route and connect wiring between the indicator plate and the detector/housing. For detailed wiring information, see the pertinent detector/housing *Installation Instructions*.
3. Mount the plate to the electrical box as shown in Figure 2.1: Back of D344-RL.

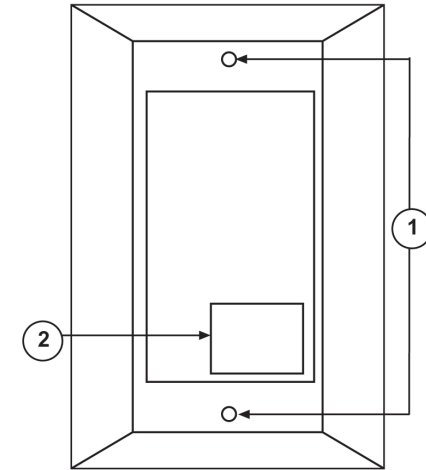


Figure 2.1: Back of D344-RL

### Callout – Description

1 – Mounting holes (2)

2 – Wiring entrance

## 2.2 | Flush-mount installation

1. Create a flush-mounting hole at an easily visible position within the maximum distance from the detector/housing. The hole should be a minimum of 2.5 in. (6.4 cm) high by 1.6 in. (4.1 cm) wide.
2. Push the prongs of the flush mount ring (supplied) into the flush mounting hole.
3. Route and connect wiring between the indicator plate and the detector/housing. For detailed wiring information, see the pertinent detector/housing *Installation Instructions*.

## 2.3 | D340 Family installation

1. Ensure the D340 Family housing you are using is installed according to the appropriate installation instructions and that the detector is in proper working order.
2. Connect the wiring harness to the detector and the D340 Family housing's power card as shown in Figure 2.2: Wiring harness connection.

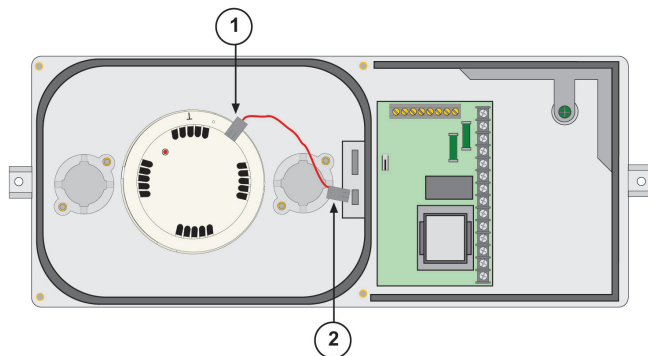


Figure 2.2: Wiring harness connection

### Callout – Description

1 – Harness connection to the detector

2 – Harness connection to the D340 Family housing's power card

## 3 | 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

Current alarm: 15 mA at 24 VDC  
standby: 5 mA at 24 VDC

Voltage 10 VDC to 32 VDC, 24 VDC nominal

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Use the serial number located on the product label and refer to the Bosch Security Systems, Inc. website at <http://www.boschsecurity.com/datecodes/>.



### Remote Indicator Plate

D344-RL



en Installation Guide

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