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# DIS240 Remote Test and Indicator Plate



- ▶ **Highly-visible LED indicators**
- ▶ **Sensitivity voltage test points**
- ▶ **Key-operated test and reset switch**
- ▶ **Easy to mount and wire**

Use the DIS240 Remote Test and Indicator Plate with the DS240 or DS241 Long-Range Beam Smoke Detectors and the DS290 Series Duct Smoke Detector Housings. This plate has LEDs to indicate the detector's status, test points to read signal voltage, and a key-operated test switch to test and 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 and silence the alarm.

### Sensitivity Testing

Connect a standard volt-ohm meter (VOM) to the DIS240 voltage monitor plugs to check the DS240 or DS241 and DS290 Series sensitivity level after installation. The voltage measurement decreases as the signal level approaches alarm. For the DS240 or DS241 detectors this is caused by dust or dirt buildup on the lenses or beam misalignment. For the DS290 Series housings this is caused by dust or dirt buildup in the detector head smoke chamber. Refer to the troubleshooting section of the *DS240/DS241 Installation Instructions* (P/N: 22066) or to the related detector head installation instructions for proper voltage readings.

## Installation/Configuration Notes

### Compatible Products

The following products are compatible with the DIS240 Remote Test and Indicator Plate:

Category	Product ID	Product Description
Detectors	DS240	Projected beam smoke detector (24 VDC)
	DS240-CAN	Projected beam smoke detector (24 VDC) for Canada
	DS241	Projected beam smoke detector (12 VDC)
Duct Detector Housings	DS290	Two-wire duct detector housing
	DS291	Four-wire duct detector housing (120 VAC)
	DS292	Four-wire duct detector housing (220 VAC or 240 VAC)
	DS293	Multiplex duct detector housing

### Mounting

Mount the DIS240 on a standard double wire-mold box.

### Wiring Considerations

The DS240 or DS241 detector or the DS290 Series housing requires eight conductors. Use 18 AWG (1.2 mm) wire or larger. Mount the DIS240 no more than 100 ft (30 m) from the detector or duct housing.

### Parts Included

Quant.	Component
1	DIS240 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: 5 mA at 24 VDC standby  
15 mA at 24 VDC alarm  
DS290 Series: 140 mA at 24 VDC test mode

Voltage: Detectors: 10 VDC to 32 VDC  
Housings: 24 VDC

### Ordering Information

**DIS240 Remote Test and Indicator Plate      DIS240**

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