

PHOTOELECTRIC SMOKE DETECTOR D-243



DESCRIPTION

DEMCO **D-243** trio of Smoke Detectors are high-quality, robust electronics designed for reliability, to ensure early detection and warning from hazardous smoke and fire.

These detectors incorporate 9V battery powered photoelectric detection technology and alarm functions within a single unit, which reliably detects smoke from smouldering fires – the most common and highest risk type of fire in residential environments.

A notable point of the **D-243** smoke detectors is the Hush feature which enables you to temporarily desensitize the circuit and silence the detector for 8 minutes when dense smoke, vapors and steam from cooking triggers the alarm. This useful feature will allow time for the smoke to dissipate and can be used repeatedly until the air has been cleared.

The **D-243** smoke detectors with high immunity against nuisance alarms provide home owners and installers with an easy-to-install yet economical solution ideal for any residential environment.

DEMCO ADVANTAGES

- Easy to install - install directly proper location without any wiring required.
- Slim - Low-profile housing.
- Easy to test - simply press the Test/Hush button for 5 s and the alarm sound to confirm that it is in normal working mode.
- Hush feature - press the Test/Hush button to temporarily silence the alarm for 8 min. while in alarm mode, and the red LED will flash every 8 s before auto-reset. This feature comes in handy when a known alarm condition such as heavy smoke from cooking is the cause of nuisance alarm.
- Battery missing indicator - prevents the unit from being installed without the battery.
- Low battery warning - unit emits a short audible signal every 32 s for at least 30 days.

INTER-CONNECTIVITY

The **D-243** trio of photoelectric smoke detectors are designed in accordance with EN14604 and CE. Besides stand-alone unit, **Wired (D-243-I)** and wireless **(D-243W)** interconnect models are also available.

Interconnected smoke alarms will activate sounders on all units if any unit detects smoke. Only the smoke alarm(s) that detected smoke will flash the LED. This allows the home owner to quickly locate the cause of the alarm. Up to 38 units can be interconnected as long as the cabling is no more than 400 m in length.

The maximum wireless range is 150m while up to 15 units are allowed to be interconnected within this range.



SPECIFICATIONS

Smoke Sensitivity	0.08-0.14dB/m
Battery Availability	Carbon Zinc, Lithium (D-243 and D-243I Only)
Standby Current	8µA
Alarm Current	15mA
Temperature Range	0°C to 50°C
Humidity	0 to 95% RH, no condensation or icing
Alarm Sound Level	85 db/3m
Dimensions	100mm (dia) x 31mm (ht) with base
Weight	160g with base (9V battery included)

Specifications are subject to change without prior notice.



EN 14604 : 2005 BS 5446-1



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