

700 Series Conventional Optical Smoke Detector w/ Remote Indicator Output

DP7211

The DP7211 is an optical smoke detector with field exchangeable optical chamber and remote indicator output facilities. It detects the presence of smoke in the environment using the Tyndall Effect, by light scattering measurement in an optical chamber.

700 Series detectors continually monitor their own sensitivity and operational status. Once a day they perform a full diagnostic test that includes dynamically testing the sensing chamber and internal electronics. Any abnormal statuses are reported locally and to the panel.

Specifications

Operating voltage	8.5 - 33 VDC
Current consumption	
Quiescent at 24 VDC	100 microA max.
In alarm at 24 VDC	60 mA
Alarm indication	White LED (red alarm)
Fault indication	Yellow LED
Remote alarm output	30 mA
Relay models	2 A @ 30 VDC, 1 A @ 120 VAC
Humidity	0 - 95%, Non-condensing
IP rating	IP43
Operating temperature	-10°C to 60°C
Sensitivity	10%/m (+1.6%, -3.3%)
Heat specification	
Ambient	25°C
R.O.R.	NA
Fixed temp	NA
Reset voltage	2.5 V max
Reset time	1 s
Dimensions	10 cm Ø, H = 5 cm



- Automatic self diagnostics: Dynamic full detector and sensitivity test
- Manual self diagnostic with visual sensitivity indication
- Field sensitivity testing without external meters
- Field exchangeable and disposable optical chamber
- High false alarm immunity
- Floating background with drift compensation
- Separate fire and fault LED
- 12 - 24 VDC operation
- Polarity insensitive
- Full range: optical, heat and optical/heat multi criteria sensor
- EN54 approved and CPR certified

Ordering Information

DP7211	700 Series Conventional Optical Smoke Detector w/ Remote Indicator Output
DB702	10 cm diameter base - 6 terminals
DB702U	15 cm diameter base - 6 terminals
AI672	Optical Remote Indicator
AI673	Optical and Accustical Remote Indicator
211	Optical Replacement Chamber for 400, 500, 700 and 2000 Series Detectors