

Photoelectric smoke and heat detector with relay output

DP721RT

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. The DP721RT is a multi-sensor detector (optical enhanced by heat) with field exchangeable optical chamber and local relay output facilities.

Specifications

Operating voltage	8.5 - 33 VDC
Current consumption	
Quiescent at 24 VDC	100 A, Max. 70 A average
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	>40°C
Reset voltage	2.5 V max
Reset time	1 s
Dimensions	10 cm Ø, H = 5 cm

Ordering Information

DP721RT	Photoelectric smoke and heat detector with relay output
DB702	10 cm diameter base - 6 terminals



- Automatic self diagnostics: Dynamic full detector test, sensitivity test
- Manual self diagnostic routine 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 trouble LED
- 12 - 24 VDC operation
- Polarity insensitive
- Full range: optical, heat and optical/heat multi criteria sensor
- EN54 approved