

700 Series Conventional Multi-Sensor with Relay Output and Auto Reset Feature

DP721RTA

The DP721RTA is a multi-sensor detector (optical enhanced by heat) with field exchangeable optical chamber and local relay output facilities. This detector will automatically reset when the fire alarm condition has been removed. 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.

Specifications

Operating voltage	8.5 - 33 VDC
Current consumption	
Quiescent at 24 VDC	100 microA, Max. 70 microA 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	Automatic
Dimensions	10 cm Ø, H = 5 cm

Ordering Information

DP721RTA	700 Series Conventional Multi-Sensor with Relay Output and Auto Reset Feature
DB702	10 cm diameter base - 6 terminals
211	Optical Replacement Chamber for 400, 500, 700 and 2000 Series Detectors



- Automatic self diagnostics: Dynamic full detector and 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
- 12-24VDC operation
- Polarity insensitive
- Optical/heat multi criteria sensor
- EN54 Compliant