



DP721RT

Rivelatore di fumo fotoelettrico e calore dotato di uscita relè

Preventing false alarms with self diagnostics

All Aritech 700 series smoke detectors continuously monitor their sensitivity and operational status. Background drift is daily compensated to maintain the original calibrated sensitivity within the EN54 sensitivity limits.

Once a day the detector performs a full diagnostic test that includes dynamically testing the sensing chamber as well as the internal electronics. If a detector drifts out of sensitivity range or fails the internal diagnostics test, this is reported back per zone to the panel and indicated on the detectors with a yellow fault LED.

Maintenance friendly sensitivity level test mode

The photoelectric detectors include a sensitivity test mode that may be activated by simply holding a magnet near the detectors test point. This initiates a self-diagnostic routine and provides visual indication if service is required. This test mode allows field sensitivity testing without the requirement for external meters or test gas.

Field cleaning and service

The photoelectric sensing chamber unclips from the detector for easy field cleaning and service. During regular maintenance the detector cover can be removed, the optical chamber removed and thrown away and replaced by a low cost, new chamber. On power up the detector auto-calibrates and returns to normal operating mode without any further intervention.

The right detector for the right job

For a truly fast and broad-spectrum detection a multi-criteria optical/heat sensor is also available. The interaction of both the smoke and heat algorithms ensure a quick response to both flaming and smouldering fires.

All bases are provided with an integral locking tab for extra security reasons if required. They are also equipped with a shorting bar between IN and OUT which opens when the head is installed and can be manually restored when removing the head. This simplifies line testing before detector installation to ensure continuity.



Caratteristiche standard

- Autodiagnostica: test dinamico completo, test di sensibilità
- Test manuale con indicazione di sensibilità
- Prove di sensibilità in campo senza l'ausilio di apparati di misura esterni
- Camera ottica intercambiabile in campo
- Alta immunità ai falsi allarmi
- Compensazione di deriva durante il funzionamento
- LED di allarme e guasto separati
- Funzionamento 12-24VCC
- Insensibile alla polarità
- Ampia gamma di sensori: ottici, di calore, multicriterio
- Approvato EN54

DP721RT

Rivelatore di fumo fotoelettrico e calore dotato di uscita relè

Dati tecnici

Tensione di alimentazione	8.5 - 33 VCC
Assorbimento	
a riposo a 24VCC	100 microA max; 70 microA media
in allarme a 24VCC	60 mA
Indicatore di allarme	Led bianco (rosso in allarme)
Indicazione di guasto	LED giallo
Uscita allarme remoto	30 mA
Portata contatti relè	2 A @ 30 VCC, 1 A @ 120 VCA
Umidità	0 - 95%, in assenza di condensa
Protezione IP	IP43
Temperatura di funzionamento	Da -10°C a 60°C
Sensibilità	10%/m (+1.6%, -3.3%)
Specifiche calore	
Ambiente	25°C
R.O.R.	NA
Temperatura fissa	>40°C
Tensione di reset	2.5 V max
Tempo di reset	1 s
Dimensioni	Ø = 10 cm, A = 5 cm

Come ordinare

Codice prodotto	Descrizione
DP721RT	Rivelatore di fumo fotoelettrico e calore dotato di uscita relè

