



Product Number: 34

Intumescent Fire & Smoke Grille

Description:

Regulations often require fire and smoke protection grilles for openings in walls, ceilings, fire doors or at the entry point of ventilation ducting. The Envirograf® TJ Grille fulfils this requirement, offering full fire and smoke protection.

The TJ grille can be either installed into an existing 24V fire/smoke alarm system or (alternatively, if there is no alarm system available or the grille is required to be independent), into an Envirograf® AC mains to 24V control unit with smoke detector circuit and N/O or N/C contacts. (This control unit can operate up to 3 grilles).

There are four re-setting options for the TJ Grille:

- (A) Manual re-set (by hand, with a screwdriver or knife) with a permanent loading of 125mA 24V
- (B) An automatic re-set grille with a permanent loading of 125mA, with a re-set loading of 6A 24V for a period of 1 second
- (C) A non-electrical grille containing a thermal breaker that automatically activates at 70°C, moving the shutter to the closed position
- (D) A non-electrical grille containing a memory spring device that operates in the temperature range 50°C to 65°C, closing the shutter to fire and smoke in about 47 seconds

Also available are TJ grilles that open when activated by the fire alarm system, to allow smoke to escape into designated outlets.

Material Specification:

Multigraf Intumescent material chemical constitution

Mineral Wool Fibre	20-70% by weight
Exfoliating Graphite	20-60% by weight
Organic Binder (including adhesive coating)	5.0-30% by weight

Test Details:

	<u>Integrity</u>	<u>Insulation</u>
BTC 11111F	66 Minutes	26 Minutes