

ENVIROGRAF® PRODUCT 34

INTUMESCENT FIRE AND SMOKE GRILLES



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.

USE

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.

PERFORMANCE

This product underwent a fire resistance test employing the general procedures and criteria of: BS476 Part 20 (1987), achieving an integrity of 66 minutes; and BS476 Part 22 (1987), achieving an integrity of 73 minutes.

ORDERING REFERENCES :



Ref	Internal Hole Size Height x Width	External Size Height x Width
NTJ1	140 x 280mm	200 x 340mm
NTJ2	240 x 280mm	300 x 340mm
NTJ3	190 x 305mm	250 x 365mm
NTJ4	270 x 305mm	325 x 365mm
NTJ5	340 x 380mm	400 x 440mm
NTJ6	390 x 430mm	450 x 490mm
NTJ7	390 x 505mm	450 x 565mm
NTJ8	290 x 580mm	350 x 640mm

References shown for manual reset grilles only. Other grilles made to order.

Add suffix /A for auto reset grille

Add suffix /MS for memory spring grille

Add suffix /TL for thermal break grille

TJ Grilles are available with the following optional extras:

CTJ1: A control unit supplying up to 3 grilles (2 if the grilles are larger than 400x400mm and 1 if over 500x500mm) with a smoke detector circuit with N/O or N/C terminals for AC mains to 24V supply

SG/S: Smoke detector and base for use with the CTJ1 Control Unit

SG/CB: A control unit with a battery back-up and charger to keep the grille open in a 24 volt power failure