

# APPLICATION DATA SHEET



## ENVIROGRAF®

AP034-01-2015

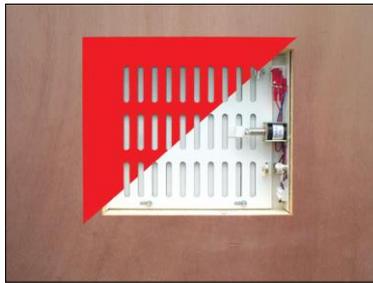
Product Number: 34

### 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).



#### Application:

The NTJ grille can be fitted into doors, walls and partitions. Cut a hole in the door or wall to the sizes as quoted in the chart below – other sizes can be made to suit your opening (price quoted on request). Pictures 1 and 2 show vents open and closed. The grille is fitted into the aperture and screwed to the wall, door or partition. The intumescent plate is screwed to the opposite side of the door, wall or partition to the main unit. This intumescent plate need not be fitted if the main unit is fitted in ventilation ducting. The plates can be supplied with open slots as shown which allow viewing or louvered for non-viewing.

#### Other Options:

If you have no fire alarm, no smoke detector circuit or no load capacity then a 240V to 24V unit can be supplied. This also has a circuit to a smoke detector and a pair of normally open or normally closed contacts to connect to the existing fire alarm systems.

| ORDERING REFERENCES | INTERNAL HOLE HEIGHT x WIDTH | EXTERNAL SIZE HEIGHT x WIDTH | VENT AREA (cm <sup>2</sup> ) |
|---------------------|------------------------------|------------------------------|------------------------------|
| NTJ1                | 140 x 280mm                  | 200 x 340mm                  | 90                           |
| NTJ2                | 240 X 280mm                  | 300 x 340mm                  | 111                          |
| NTJ3                | 190 x 305mm                  | 250 x 365mm                  | 124                          |
| NTJ4                | 270 x 305mm                  | 325 x 365mm                  | 186                          |
| NTJ5                | 340 x 380mm                  | 400 x 440mm                  | 347                          |
| NTJ6                | 390 x 430mm                  | 450 x 490mm                  | 465                          |
| NTJ7                | 390 x 505mm                  | 450 x 565mm                  | 558                          |
| NTJ8                | 290 x 580mm                  | 350 x 640mm                  | 624                          |