

'INNOVATORS OF FIRE TECHNOLOGY'

'SALAMANDER' is a system of battery powered, magnetic fire door holders controlled by radio signals from a central controller.



IS THE SAFE, LEGAL AND COST EFFECTIVE SOLUTION

SAVES LIVES AND MEETS LEGAL REQUIREMENTS

- **Restriction-free movement** around the building in line with the Disability Discrimination Act - Salamander holds up to 99 fire doors in the open position.
- **Suitable for all installations** - Being fail safe, Salamander meets the most stringent protection measures needed at crucial fire exits requiring Category A protection, as defined by BS7273 Part 4. E.g. Fire doors at the top of stairwells.
- **Approved to the highest European standards** - Salamander is approved to EN1155 and is CE marked under the CPD (Construction Products Directive).

SAVES TIME AND REDUCES COSTS

- **Installation time reduced by up to 90%** - Innovative WIRE FREE radio technology means quick and easy fitting with no more unsightly cables and no need for major renovation.
- **Flexibility** - Salamander door holders can be relocated to different doors as building layout changes. Its large range of mounting options includes stands, chain mounted keepers and floor mounting brackets. Booster units can be easily added to cover large installations.
- **Prolonged fire door life due to no wear and tear** - Salamander avoids potential floor damage, door warping and false activations caused by acoustic systems.
- **Low maintenance** - The innovative magnet conserves battery power, which means the system has an expected battery life of up to two years. Visible signal indicates battery and radio strength for any door holder. Low battery warning 1 month in advance.



**SALAMANDER PROVIDES THE
IDEAL SOLUTION FOR OVER
98% OF FIRE DOORS**

SALAMANDER

Geofire reserve the right to change the specifications in this data sheet without prior notification

Technical Information

| | | |
|--|---|---|
| Display | Controller | LEDs indicate system working - Low battery - Low signal - Door number. |
| Fault Monitored & Fail Safe | Controller Door Holder | Automatic 2 hour status check of all door holders Release on low battery, communications failure, fire or fault |
| Interface | 24V DC signal or volt-free relay contacts for fire and fault response | |
| Radio Frequency | 868MHz to European standard. Radio license exempt. | |
| Range | Up to 100m (site specific) without Booster. Range can be extended by up to 8 times with booster units. Exact specification verifiable by FREE site survey. | |
| RF Interference | Controller will scan the area for 'quiet' channels. There are 14 channels available. Very low duty cycle. | |
| Power Supply | Controller Booster Door Holder | 230V ac 50Hz Mains Supply with 6 hour battery back-up 230V ac 50Hz Mains Supply with 6 hour battery back-up 2 x C Type Batteries. |
| Door Holder Battery Life | Up to 2 years. | |
| Holding Force | 200 newtons (45 lbs force), approved to door closer power size 5. | |
| Housing material | ABS | |
| Compliance | Suitable for Category A, B or C actuation as defined by BS 7273-4, ETSI EN300 220 (License exempt) BS EN1155, CE Marked, EMC Directive, Constructive Products Directive | |

| Product | Dimensions (H x W x D) | Weight (g) | Part No. |
|-------------|------------------------|------------|-----------|
| Controller | 196 x 280 x 42 | 350 | 3-80-0012 |
| Booster | 196 x 280 x 42 | 350 | 3-80-0014 |
| Door Holder | 97 x 119 x 66 | 750 | 3-80-0013 |

Typical schematic diagram

