

FDS Service Room Doorset™ Range



The FDS Service Room Doorset™ Range - to effectively protect utilities rooms and restricted areas.

Specifying the correct type of doorset is about assessing the risks in the housing environment and providing a product that will meet your requirements. At Gerda, we recognise that the needs in the housing environment can be challenging and we work with our customers to provide a sustainable solution for the long term.

Innovation and Design

Gerda is at the forefront of innovation in bringing together doorset design uniting fire safety and security in the housing environment. We offer a holistic approach to the housing provider with products designed to improve the living area for residents while assisting with the management of communal areas.

Whole Life Costs

Our products offer reliability in the environment they are designed for. They offer true value for money both in initial investment and maintenance programmes.

Quality Assurance

Gerda is an ISO9001 accredited organisation. Our products carry third party accredited certification which means we are audited by independent UKAS notification bodies, including BM Trada and the British Standards Institute.

Credibility

We work with leading authorities in fire safety and Fire & Rescue Services nationwide, as well as Secured by Design, in order to ensure our products not only meet industry standards but go above and beyond and are fit for purpose in the environments in which they function.

Aftercare and Maintenance

Gerda offers a comprehensive maintenance service with a range of options. Gerda's maintenance programme, which ensures longevity of the product, can be linked into your fire risk assessment schedule. There is a real benefit in this service rather than going to third parties, particularly as Gerda has designed and developed the product range.

Sustainability

We strive to provide products and services that offer benefits to the environment through innovative product design and through our everyday practice. We work together with customers to provide a holistic approach and our involvement, from local community events to apprenticeship developments in the locality, reflects our ethos for inclusion.

Installation Service

A complete service is available for the survey, manufacture and delivery of the doorset as a complete solution. We offer a high quality installation service directly or through approved partners. Gerda conducts in-house training with theory to impart why the correct installation is important in the context of fire safety legislation and practical in-depth training on site.

Fire Safety Seminars

Held at the Gerda Conference Centre and Showroom in central London, the Fire Safety seminars are hosted by leading authorities in fire safety. The seminars span specific sector subjects from Fire Safety in High Rise Housing to Continuous Professional Development (CPD) presentations. The seminars include interactive demonstrations that highlight aspects of fire safety.



The FDS Service Room Doorset™ Range

Gerda's FDS range of service room doorsets offers a high performance, high security solution for the specifier. These areas of limited access, such as lift motor rooms, electrical intake cupboards, water tank rooms, boiler rooms and roof access doors, are often located in communal areas and unless properly protected may be vulnerable to misuse.

The FDS range of service room doorsets is secured with the H System® - a high performance locking system which permits access to designated individuals while allowing immediate access to the Fire & Rescue Service with their Gerda One Key® System in the event of an incident.

The range offers both fire rated and non-fire rated options.

FIRE SAFETY

Legislation & Guidance

"to effectively protect utilities rooms and restricted areas"

Doors in fire-separating elements are one of the most important features of a fire protection strategy and it is important to select a fire door that is suitable for its intended purpose.

BS9999:2008

38. (1) 'Any facilities, equipment and devices provided in respect of the premises for the use by or protection of fire-fighters...are maintained in an efficient state, in efficient working order and in good repair.'

RR(FS)O – Regulatory Reform Fire Safety Order, 2005, statutory 2006.

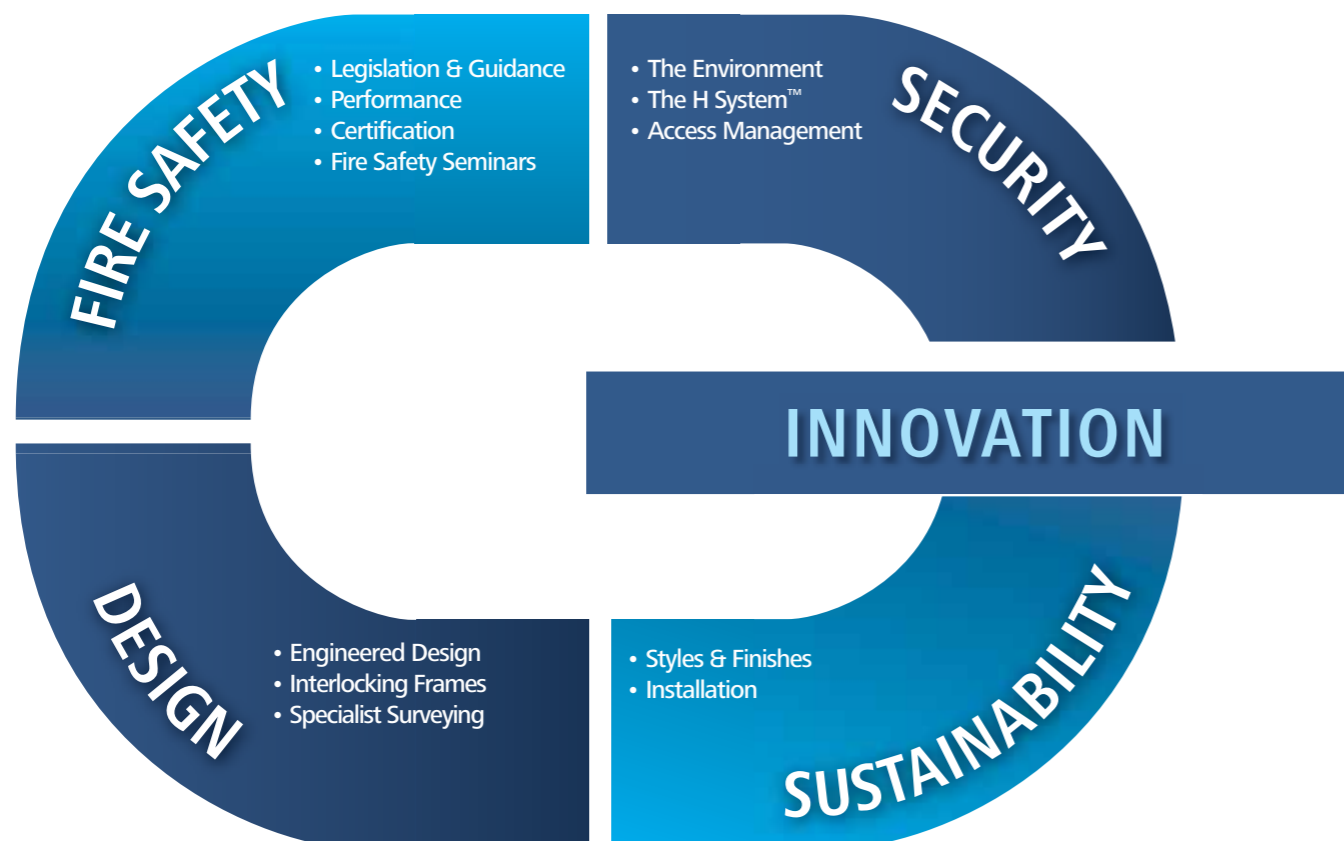


Performance

Testing - Fire

"extensive testing is essential to ensure that doorset design performs as it should"

The FDS Service Room Doorset range has undergone extensive testing for fire resistance at major independent UKAS accredited test houses for both half hour and one hour doorsets to BS476 pt 22 1987 and EN1634-1:2008.



Testing - Smoke

“comprehensively tested for smoke as well as fire”

Successful full scale smoke tests have been conducted to EN1634-3:2004 for smoke. This includes testing for single and double doorsets for both FD30(S) and FD60(S) types. Smoke control is an essential part of the FDS Service Room Doorset design.



Certification

The FDS Service Room Range carries third party certification through the notified body BM Trada.



Fire Safety Seminars

“an excellent seminar - extremely valuable to organisations similar to ours with high rise or multi-occupancy blocks”

Gerda hosts highly respected fire safety seminars at premises in central London. Led by leading authorities in fire safety, the seminars span specific market sector subjects such as Fire Safety in High Rise Housing to continuous professional development (CPD) presentations.

The importance of smoke control is often under-estimated. As part of Gerda’s fire safety seminars, interactive smoke demonstrations, in specially constructed smoke pods, highlight the dangers of smoke and the importance of correct specification.



Scan the QR code to view video: ‘The Dangers of Smoke’

DESIGN

The Gerda FDS Service Room Doorset™ Range with excellent proven security features

Engineered Design

Construction

This range, tailored to suit your building structure openings, comprises a 54mm or 44mm door leaf core. The construction of this core depends on the location of the service room.

The vision panel

The vision panel is made up of a replaceable 3tiervision™ cartridge unit with a secure fixing method. This is designed to prevent accidental or intentional damage. For security purposes the unit is designed so that it is not easily breached at lower levels when force is applied. There is the option of solid flush doors internally where there is not the need to see the contents of the utility room or area of restricted access. For external locations the doors are a solid flush style.

Hardware

The hardware is tested on the doorset as a complete unit in full scale tests. Stainless steel hinges with security studs - as tested. Each hinge leaf is fixed using galvanised and stainless steel security screws and is factory fitted to ensure correct tolerances.

Automatic Drop Down Smoke Seal

Importantly the doorset design incorporates a drop down smoke seal. This requires no electrical connection and automatically drops down during the last few millimetres of the door closing, thus preventing the passage of smoke between the bottom of the leaf and the floor. This option is not for externally located doorsets. It also improves the acoustic properties of the doorset. Fully intumescent lined, it acts together with the doorset edge intumescent seals to provide conformity to EN1634-3:2004 and is in line with BS 9999:2008.

The Security

FDS Service Room Doorsets are fitted with the high security lock, the H System®. Please see page 10 for details.

Intumescent Seals

All intumescent seals are factory fitted as designed and tested. These seals are designed to effectively resist the passage of smoke. This is because they are manufactured from a material unaffected by moisture or atmospheric carbon dioxide making them less prone to degradation, which in turn causes ineffectiveness. It is important the seals are fitted correctly for all areas: frame, glazing, hinges and door leaf.

Fire Signage

The FDS Service Room Doorset is fitted with fire signage to indicate that the fire door must be kept shut. The photoluminescent signs assist with vision, particularly in a potentially smoke filled area where it may be important to locate services.



Interlocking Frames

“all frames have a specialised interlocking system enabling precise and efficient installation on site”



The FDS Service Room Doorset range is designed with interlocking frames to enable ease of fitting on site and to assist with the correct installation of the doorset and its top screens/panels.

When replacing an old door with a new tested and certified fire doorset, it is important that the top and/or side panels perform to the same required level. The level of compartmentation needs to be maintained, so top and side panels, whether glazed or solid, need to perform effectively to the required level of 60 or 30 minutes.

The FDS Complete™ range offers glazed and solid top panels subject to measurements that are within the full scale fire tests and test reports under the certification scheme.

Specialist Surveying

“fire doorsets tailored to the building structure with an accurate audit trail of fire safety works”

Surveys on site are carried out by Gerda's specialist surveyors. The surveyors are fully conversant with the FDS Service Room range, including test parameters within the extensive test remit. They take into consideration a building's structure, regulations and any access requirements under the Equality Act.



Surveys inevitably highlight practical queries such as trunking in doorset top panels or unusual size doorsets etc. It is extremely important that this type of change to the doorset structure is checked within the doorset test remit and is manufactured according to the survey requirements. Any variation to order is agreed with consultants /contractors and the end user. This ensures effective communication between all parties, but importantly an accurate audit trail of fire safety works.

SECURITY

The Environment

“location matters ...if a doorset is not suitable for its environment, the level of risk in terms of arson or break-in significantly increases”

The location of the doorset is important - if it forms part of a fire-fighting area, it may be that the compartmentation requirements are for a one hour as opposed to a half hour fire doorset.

If the doorsets are in an environment regularly exposed to wilful damage through vandalism or just general lack of care, then the doorset will need to stand up to this type of abuse. There is the added legal requirement that if the doorset does form part of a fire-fighting area, there is a duty under the RR(FS)O to keep this maintained.

By looking at the design of the doorset, cost savings can be made in terms of maintenance, while at the same time assisting with this legal requirement.



A breached fire door (non Gerda fire door) exposing the contents of the electrical intake cupboard which, if damaged, could significantly affect the building.



A fire door (non Gerda fire door) subject to arson, exposing the dry riser - important equipment that the Fire & Rescue Service needs in full functioning order.

The Fire Protection Association, in its latest October 2012 edition of “The Prevention and Control of Arson”, states:

“To ensure fire doors continue to operate as they are designed to do so [given their role in compartmentation] consideration may need to be given as the doorset type specified for an environment. Certified doorsets with in-built features to prevent vandalism may be an option for more onerous environments.”

The H System® - a Proven System

The FDS Service Room Doorsets™ are fitted with the Gerda H System™, a locking system that offers high performance and security with improved key control to the customer for restricted areas.



Key operation both sides for rooftop environments



For enclosed areas of restricted access ensuring means of escape



For cupboards and cabinets

Enabling immediate Fire & Rescue access in critical situations through the unique Gerda One Key® System for the Fire & Rescue Service¹.

For Gerda High Security Locking Systems

- Extensively tested with certified third party accreditations
- Awarded prestigious BSI Kitemark
- Achieving both EN12209:2003 and best categories in EN1303:2005 for attack resistance; durability and key related security



“a recognised focal point for the Fire and Rescue Service”

In the event of an incident there is no requirement for an individual to be present to hand over keys. If crews from the local fire station are not able to attend, crews from other stations within the same Fire & Rescue Service jurisdiction can still gain immediate access. A number of utility companies and services may also access the system².



Scan the QR code for the H System

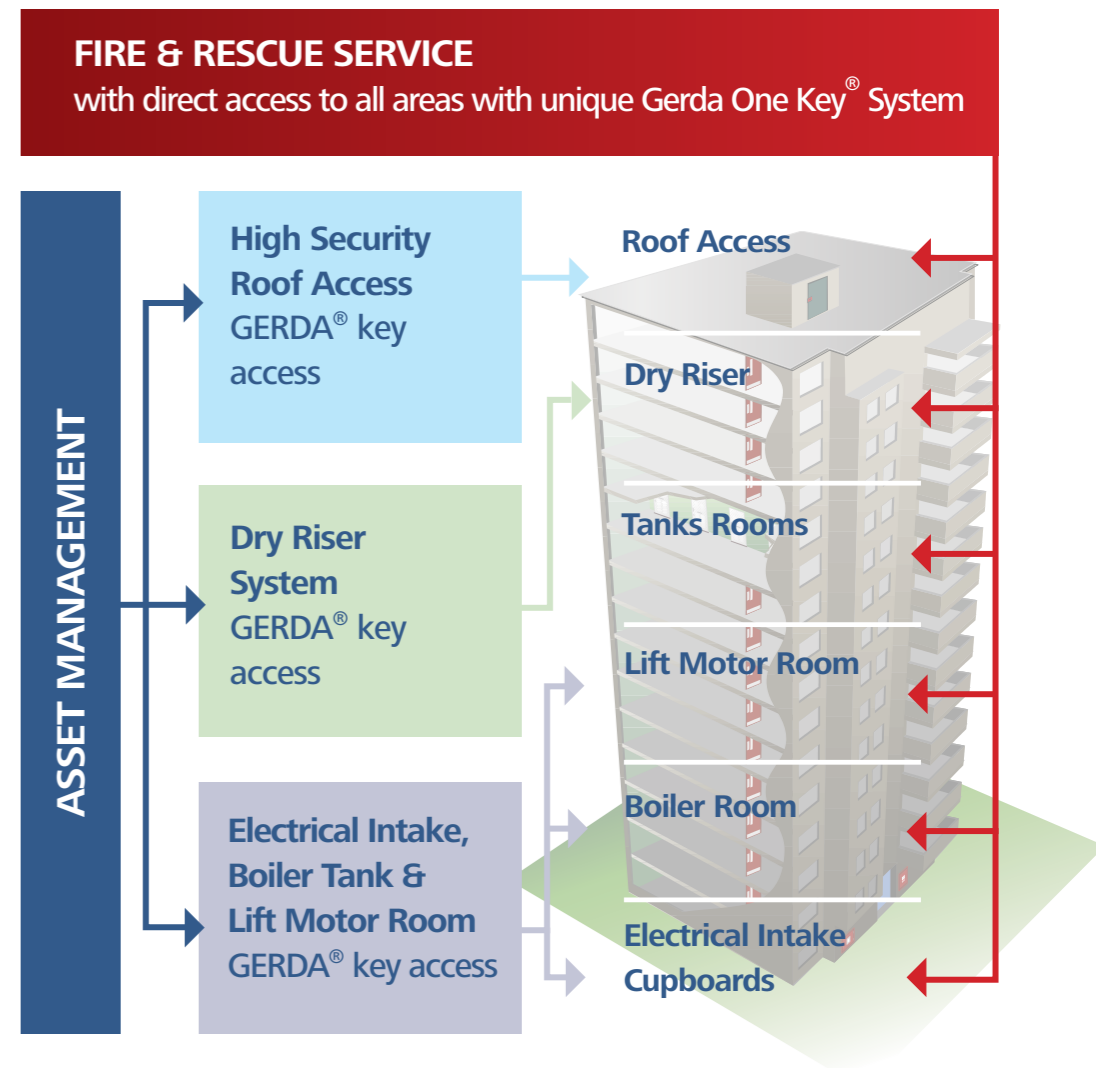
¹ The majority of Fire & Rescue Services in the UK carry the Gerda One Key® System. To check your fire service jurisdiction and if this applies to your Fire & Rescue Service, please contact Gerda.

² Contact Gerda® for further details.

Access Management

“the H System® offers flexibility in how an organisation can tailor its security requirements”

The diagram below is based on a high rise residential building where the asset management team restrict access to designated individuals for high priority areas, namely the roof area and the dry riser systems. For the electrical intake, boiler, water tank and lift motor rooms, they have a key management policy in place for contractors.



While the security of systems that restrict areas is important, the facility of enabling the Fire & Rescue Service immediate access to these areas is equally important. Keeping areas clean and accessible ensures that an incident can be dealt with effectively. Additionally no damage is incurred to the locks and doors.



Scan the QR code to view how the H System® works in practice

Finishes

Our standard finishes are Midnight Blue and White RAL water based paint colours and the below woodgrain finishes. Other colours and woodgrains are available upon request



Styles



Locking systems for FDS™ Service Room Doorsets

- The H System (H) is indicated by the clearly identifiable front plate
- Handleset (HS) with europrofile cylinder
- Mortice lock (M)
- No locking system (NL)

*The option of door handles is available if required



SUSTAINABILITY

Installation

“maximising return on investment”

The Gerda FDS Service Room Doorset™ range offers secure high performance doorsets in both fire rated and non-fire rated options. The fire rated FDS Service Room Doorset is an engineered fire door, designed for fire integrity, the control of smoke and enabling the Fire & Rescue Service to carry out their operational duties.

To ensure longevity and correct operation, the doorsets must be fitted by qualified installers trained and approved by Gerda®. Gerda trains installers in both fire safety theory at the Gerda Training Centre and on site in clearly structured and monitored courses. Successful attendees are awarded certificates of approval by Gerda®.

Fire doorsets are required to be maintained under the RR(FS)O. Gerda’s maintenance programme, which assists in meeting this requirement, can be linked into your fire risk assessment schedule. There is a real benefit in this service rather than going to third parties, particularly as Gerda has designed and developed the product range. Please enquire for further information.



Accreditations



ISO9001 Quality Management



Constructionline - the largest online database for pre-qualified contractors and consultants



Continuous Professional Development Certification



Safe Contractor - an accreditation scheme that assesses the health & safety competency of contractors and service providers



BM Trada Certification for Fire



CHAS - recognised health & safety scheme



Secured by Design - the police (ACPO) initiative to ensure high standards in products and measures to prevent crime



DHF - The Door and Hardware Federation is responsible for maintaining industry standards



BM Trada Certification for Security



Equality Act - Our products can be manufactured in line with The Equality Act requirements



Equal Opportunities - Gerda is an Equal Opportunities Employer



Association for Specialist Fire Protection

Partnerships



Gerda® works in partnership on training and publications with the **Fire Protection Association**



Gerda® works in partnership in the high security sector with the **Master Locksmiths Association**

For a free consultation or information relating to the Gerda range of products please contact us on the number below.

For interactive product demonstrations and dates of Fire Safety Seminars taking place at Gerda's Conference Centre please email:

firesafetyseminar@gerdasecurity.co.uk



GERDA HEAD OFFICE

53/54 Chiswick Avenue,
Mildenhall, Suffolk IP28 7AY

Tel: 0845 200 9435

Fax: 0845 200 9436

E: enquiries@gerdasecurity.co.uk

www.gerdasecurity.co.uk

Information is for general purposes only. For detailed specifications to suit your requirements, please contact a member of the Gerda doorsets team who will be pleased to assist. Please read in conjunction with Gerda Terms & Conditions. Gerda reserves the right to amend data at any time.

© Gerda