

# TYPE K DOOR

## ENHANCED SECURITY - SR2 HINGED SECURITY RATED STEEL DOOR-SETS

(SUITABLE FOR SECURITY OF UTILITIES /  
ELECTRICAL SUBSTATION BUILDINGS)

### DISTINCTIVE FEATURES

- Finish to any standard RAL colour
- Stainless steel continuous hinges
- Fully welded construction

**AIG Type K Door (SR2)** is specifically designed for use in locations that would benefit from enhanced protection. They are built to meet the requirements and specification of Main UK DNOs and are used for various utilities and electrical substation buildings, offering protection against determined intruders. The typical applications for this door type includes plant rooms for leisure facilities, schools and universities, and electrical substation rooms for new housing developments and general retail outlets buildings.



LPS 1175  
(SR2)  
SECURITY  
RATED  
DOOR



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# Door Technical Specification

LPS 1175 : Issue 8  
Cert/ LPCB ref.1730a

Hinged Security Rated Steel Door-SETS



## Hardware

Each leaf is hung on a continuous hinge. Passive leaf incorporates two sprung barrel bolts. Door stays capable of holding doors open in high winds are fitted to each door leaf at high level. Customer lock is fitted and protected by a hinged lockbox to receive a customer supplied padlock. After installation the steel doors and frame are fixed in place using fixing straps and heavy-duty fixings into masonry or steelwork.

## Leaf Construction

Door leaves are built with a fully welded 3mm thick box section frame incorporating 2mm thick Zintec panels with 50mm thick insulation infill. Both leaves have welded 5mm thick galvanized flat bars to close off the door gaps and the passive leaf incorporates an anti-jemmy angle on the leading edge.

## Louvre Construction

Louvre blades are formed from 3mm thick profiled steel fully welded into a 4mm thick angle frame, Intermediate supports are incorporated and the unit is fully hot dip galvanized. mesh is riveted to inside face of louvre to prevent access by vermin.

## Outer Frame Construction

Frame is fully welded 100mm x 60mm box section with a galvanized 10mm threshold. Header incorporates a 45mm weather bar, 6no adjustable brackets are welded to the rear of the frame to take AIG fixing straps.

## Handing

Right-hand or left-hand active leaf opening out first when looking from outside.

## Locking Arrangement

AIG standard locking arrangement (Yale rim cylinder and hinged lockbox to take high security padlock) or external dual locking via locking bar to receive 2 padlocks if required.

## Finish

Supplied inclusive of a smooth finish painted to a standard RAL colour, or option of a polyester powder coated finish. Full range of RAL and BS colours available.

## Top & Side Panel or Louvred Transom Options

Bespoke panelled or louvred top or side panels make it possible for the door set to accommodate larger structural openings. Option of fixed or removable transom incorporated above door set to increase clear opening height.

## Suitable Substrate

Structural steelwork, SFS or brick/block work or cast concrete. (We can offer bespoke solutions for fixing into other substrates)

## Installation

Fixing Details: 6 no 70 x 5 galvanized FB AIG fixing brackets slotted into jamb sections for bolting into structural opening.

Fixing Bolts: Hex head 8 x 75 concrete fixings for masonry openings. Same day site installation by our experienced steel door fitting team.

## Certification

Certified by the Loss Prevention Certification Board to LPS 1175: Issue 8.

## Upgrades

### Fully Galvanized:

Our fully galvanized steel door option provides superior protection against rust and corrosion, making it ideal for demanding environments and long-term performance. Every steel component is fully galvanized to deliver enhanced durability, reduced maintenance, and extended product life.

### Earth Bonding

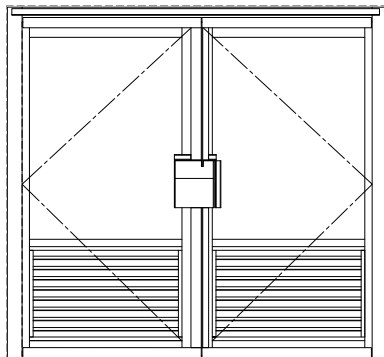
Boost safety and meet industry standards with our new Earth Bonding upgrade. This feature enhances protection by providing a secure grounding point, offering peace of mind in environments where electrical safety is critical.

### Dual Locking Solution

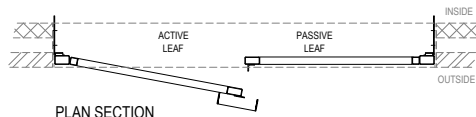
If required an external dual locking arrangement via lock bar to receive two padlocks, housed in a hinged lockbox to a suit Squire S65 padlock or similar high security padlock. The dual locking arrangement enables two separate parties to gain access independently via their individual padlock.

### Polyester Powder Coated Finish

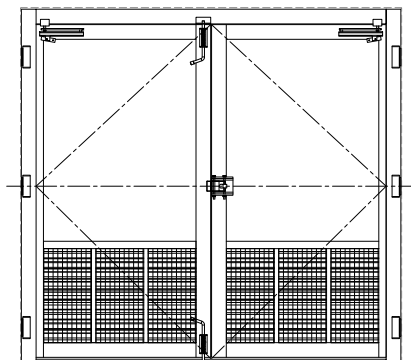
Option of a polyester powder coated finish. Full range of RAL and BS colours available.



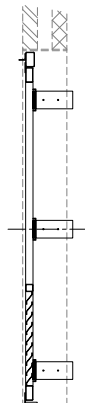
OUTSIDE VIEW



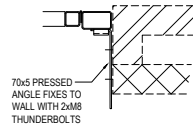
PLAN SECTION



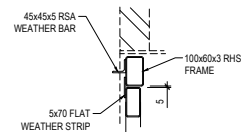
INSIDE VIEW



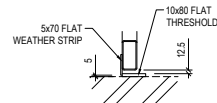
VERTICAL SECTION



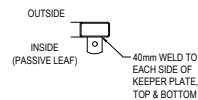
SIDE FIXING DETAIL



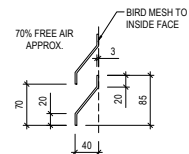
DOOR HEAD DETAIL



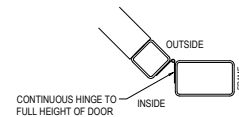
THRESHOLD DETAIL



SHOOT BOLT DETAIL



LOUVRE DETAIL



HINGE DETAIL

AIG Type K Door - Enhanced Security - SR2 - Hinged Security Rated Steel Door-Sets (Manufactured to suit masonry opening 2590mm wide x 2400mm high)  
 \*Larger bespoke door-sets can be manufactured, and alternative hardware and ironmongery can be accommodated subject to requirement compatibility and stock availability. (Contact us with your requirements)

**A.I.G. ENGINEERING LTD**  
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 Steel Security Doors & Enclosures  
 Steel Roofs, Louvres & Louvre Façades

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