

Winkhaus AV2+

AUTOMATIC Multi-Point Locking System



"Sentinal are delighted to be able to offer the new automatic lock to our customers who have difficulty using a traditional lock. The mechanism means it is much easier to use for anyone suffering from conditions such as arthritis and feedback from our customers has been very positive"

Sentinal Housing

"Automatic locking prevents casual entry in communal areas"

Bolton at home

"Ideal for sheltered housing and old people's bungalows"

A. Chadwick, West Lancs District Council

"Great for people with arthritis"

M. Robinson, Progress Housing Group

The Owl Mark is a product endorsement given by the University of Birmingham to show that a product has been evaluated by the Centre for Applied Gerontology and found to be suitable for use by older people in general.

The Centre for Applied Gerontology was established to increase the awareness of architects, designers and manufacturers to the different needs of the older population.



Winkhaus UK Ltd

2950 Kettering Parkway, Kettering,
Northants NN15 6XZ
Tel: +44 (0)1536 316000
Fax: +44 (0)1536 416516

www.winkhaus.co.uk
email: enquiries@winkhaus.co.uk

Winkhaus AV2+

AUTOMATIC Multi-Point Locking System - Locks automatically as soon as the door is closed!!

The performance of the popular AV2 Multi-Point Locking System has been enhanced with the introduction of the latest AV2+ version.

No longer is it necessary to lift the handle lever to engage the hook locking mechanism. This has often been difficult for the elderly and the infirm and puts their security at risk. There is a clear indication from the Police that it is not uncommon for doors to be closed just on the latch because of difficulties lifting handles - a fact well known to potential burglars!

Using an Automatic AV2+ Mechanical lock, which operates as a slam lock as soon as the door is closed, also reduces the risk of a 'follow-on' attack or 'tailgating' as it is sometimes known. Closing the door behind you as soon as you enter a dwelling gives immediate full security and reduces the risk of anyone trying to enter immediately behind you.

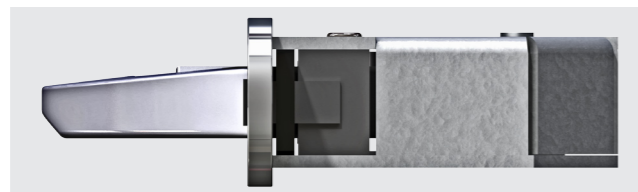
Key Benefits:

- An Automatic - Locking Multi-Point Lock (2 Hooks, Latch and Deadbolt).
- When closing the door, 2 solid anti - push back hooks automatically operate to achieve instant security.



Standard 24mm wide keeps with dust boxes, auto latch strike plate and off-set screw fixing for enhanced security.

- Added option of throwing independent central deadbolt with a key or thumbturn.
- The lock can deadlocked even if the hooks are not fully thrown or are blocked.
- Entrance via key from outside (or lever if a back door application).
- Integral handle 'crash' to exit function in an emergency (provided not deadlocked with a key).
- Versatile integral function which allows for easy conversion to an Electronic door lock with Multi-Access Control compatibility.
- Police Secured By Design and OwlMark™ Accreditations.
- Eliminates the need to lift the handle to engage the lock.
- Removes the need to understand the locking operation.
- Prevents doors only ever being "locked on the latch". With the AV2+ - shut the door its locked and secure!
- Future proofing - A Social Housing property may house many tenants over the years with varying capabilities.
- Retrofitting - Across the board compatibility with Winkhaus "Family of Locks" due to identical routing details.
- Ability to interchange from Winkhaus lift lever to AV2+ if required.
- The ability to upgrade to AV2-E by adding a motor allows for the option to link to an intercom system, remote control device etc.
- Designed for use with Timber, Aluminium and Composite doors but can also be used on some PVCu systems.



Special design tensile steel chamfered hook allows a high degree of fitting tolerance for door installation.



Keeps fully adjustable ±2mm utilising Torx T15 adjusting tool.



Fire Doors:

The AV2+ is ideally suited for FD30 Fire Doors for Multi-occupancy dwellings. The FD30 test requires doors to be tested in the latch position only, without the locking points being engaged. This is to simulate how a door may be commonly closed. This can, however, create problems with achieving a satisfactory Fire test result as the door leaf can bow and twist in the heat. This problem is eliminated with AV2+ as the lock engages automatically in three positions helping to hold the door leaf in place against the intumescent seals and thereby readily achieving a 30 minute fire door rating.

Latest enhancements:-

- AV2+ in combination with Winkhaus Ecoframe™ successfully tested in doors for Fire Door FD30 applications.
- Centre gearbox strength increased by up to 30% to further reduce the risk of malicious abusive loads.
- Keeps have a return lip and a raised striking platform to provide for larger air gap tolerances.
- Hooks with increased chamfer to allow for greater fitting tolerances.
- Lock faceplates stamped with Police 'Secured By Design' VdS² and SKG* security logos.

The AV2+ range is available with several faceplate and backset options:

Faceplate:

- 16mm square end
- 20mm square end
- 20mm round end

Backset:

- 35mm
- 45mm
- 55mm

Available with or without a deadbolt to suit both residential and communal entrance doors.

With over 150 years experience in producing locking systems for the world market Winkhaus is a market leader producing innovative security solutions to meet the challenges of tomorrow's rapidly changing security and ease of use requirements.

Superbly engineered and manufactured in Germany the AV2+ Locking system is approved by the Police 'Secured by Design' security initiative. This important independent endorsement is an essential requirement of the Association of British insurers.



Technical Features:-

1. 25mm throw tensile steel hooks

High security nickel plated steel hooks fully penetrate the keep rail and help prevent forcing apart of the sash and frame.

2. Hook clearance adjustment in the keeps

With ±2mm adjustment it is possible to adjust for misalignment of the door during and after installation.

3. Heavy duty steel keeps

Depending on door frame material, 20mm - 24mm wide heavy duty steel keeps are manufactured using high grade steel, plated to comply with the highest Grade 4 corrosion resistance requirement of BS EN1670 European Standard.

4. Latch and deadbolt¹

Engineered alloy sprung latch with a nickel plated steel deadbolt provides the AV2+ with maximum strength in the centre of the door.

5. High performance gearbox

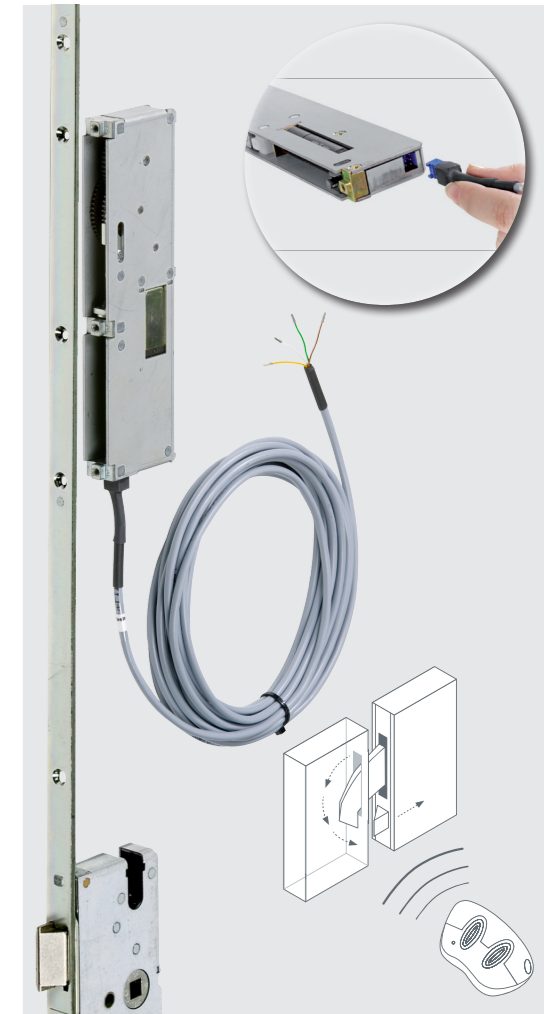
Tested to 100,000 cycles the sprung gearbox offers the lowest possible operating forces and helps prevent handle 'droop'.

6. Cylinders and handles

AV2+ Multi-point Locks have been designed to harmonise with the Winkhaus range of security europrofile cylinders, Armorshield™ cylinder guard and Winkhaus XR6-51 Kitemark profile cylinder (KM531333). Meets PAS23/24 Security and durability standards, both for single domestic dwellings and multi-occupancy dwellings. The 92PZ locking system is compatible with industry standard handles and also with the Winkhaus Palladio™ and DDA handle which has OwlMark™ approval for use by the elderly and infirm.

7. Lifetime adaptability

AV2+ is part of the 'Winkhaus family of locks' with exactly the same routing details as the Winkhaus Cobra™ and Trulock+ range of locking mechanisms.



Easy upgrade to electronic operation via screw-on 12v Motor. Fully compatible with existing intercom, 'electronic' door closers and other access control systems.



Can be used with digital locking systems.

www.codelocks.co.uk



Compatible with electronic door handles often used for apartment doors.

www.saltosystems.com

¹An AV2+ WITHOUT deadbolt should always be used for communal entrance doors

²International certification institution for the Insurance Industry