

Armlock® 1354

Mini Electro-Shearmagnet



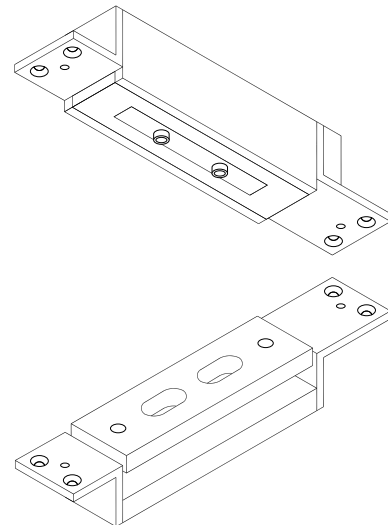
Function

To facilitate remote access and exit of most aluminium, timber and steel doors. The Armlock® 1354 combines magnetic field force and physical interference between lock body and armature to create a shear holding force of **1500kg**. The product range consists of mortice mounted, surface mounted or glass door versions to cater for single or double action internal doors or external doors where a form of cover is situated above the doorway to prevent direct rain penetration. The product may be fitted in a vertical or horizontal position, but should not be fitted in the threshold. The shearmagnet at all times provides a positive fail-safe operation (unless power supply continued during power failure by means of a battery back-up). The slimline style of the shearlock is achieved by having a separate PCB, which can be mounted separately inside the protective box supplied. (Power supply unit is not included).

Notes: Positive closer required to return doors to correct rest position.
For maximum security specify an MS® Deadlock in conjunction with the magnet.

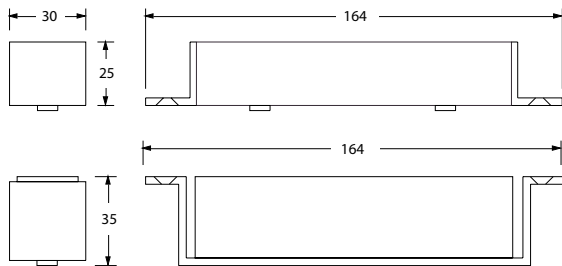
Specifications

Magnet Dimensions:	Mortice magnet: 30mm x 164mm x 25mm. (excluding shear pins) Surface magnet: 38mm x 200mm x 38mm.
Adjustable Armature:	Mortice: 30mm x 164mm x 35mm. Surface: 38mm x 200mm x 38mm.
Magnet Material:	Electroless nickel plated steel in aluminium chassis.
Finish:	Surface mounted housing finishes: Standard: Brushed silver, gold or bronze anodised. Special: Polished nickel, polished brass.
Nominal Holding Force:	1500kg (assuming correct installation/alignment).
Supply Voltage:	Dual, 12 or 24vDC.
Nominal Current Draw:	Pull in - 1.5A @ 12vDC, 1.5A @ 24vDC. Holding - 0.5A @ 12vDC, 0.4A @ 24vDC.
Locking Gaps:	Distance between armature face and magnet face: 12vDC: Horizontal/vertical application - 4mm max. 24vDC: Horizontal/vertical application - 5mm max.
Locking Tolerance:	Lateral - ± 2mm. Longitudinal - ± 5mm.
Door Gap (sensor range):	Maximum 8mm.
Locking Time:	Factory set at 1-2 seconds, adjustable up to 30 secs.
Monitoring:	Precise anti-tamper monitoring of lock status using "hall effect" switch. Volt free changeover contacts rated @ 24vDC 1A for remote monitoring.
Door Position Contacts:	Built-in door position switch. Note that an independent door position switch must be fitted in steel door applications (order 1354-0600 separately).
Retry Facility:	Failure to lock due to slight misalignment will result in the lock automatically retrying, up to a further 100 times, if required.
Handing:	Non-handed.
Cable Length:	3m.
Ambient Temperature:	Operating -20°C to +40°C. It is essential to use a fully rectified and regulated PSU with the 1354.
Warranty:	Electrical - 12 months from date of purchase. Mechanical - 24 months from date of purchase.
Note:	To achieve immediate release, it is important that the release switch breaks the circuit on the positive supply to the magnet.

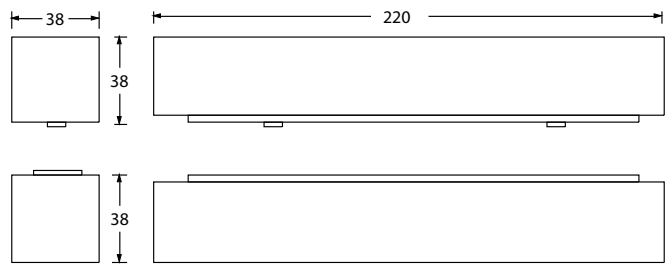


Dimensions

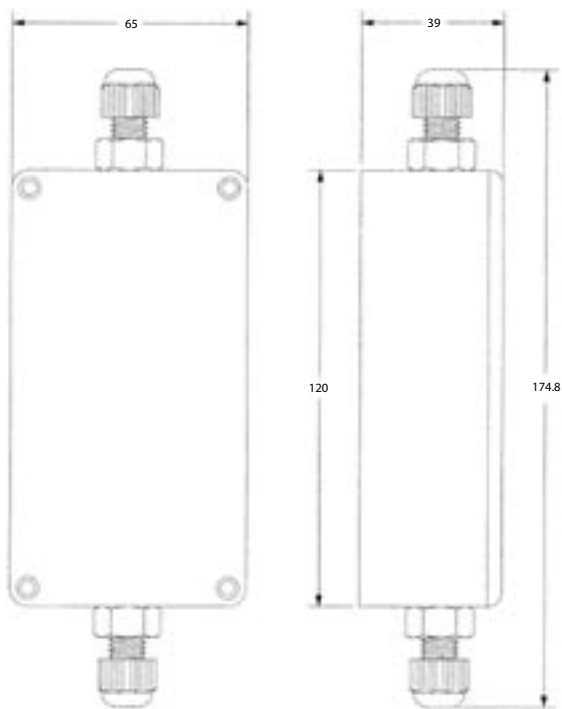
Mortise version



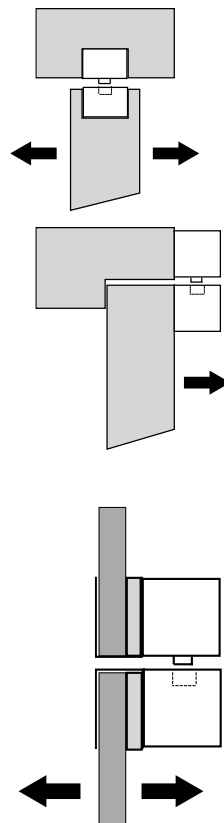
Surface version



PCB Container



Typical Installations



Mortise Version

Concealed fitted for use in single or double action door applications. Can be fitted in the vertical or horizontal position.

Not To Scale.

Surface Mounted Version

Surface fitted for use in single or offset double action door applications. Can be fitted in the vertical or horizontal position.

Not To Scale.

Glass Door Bracket Version

The glass door bracket can be used in single action or double action door applications both in the vertical or horizontal position. The bracket can be used on 10mm or 12mm thick doors.

Not To Scale.

Ordering Codes

- 1354-0100 Mortise mounted Mini Electro-Shearmagnet, 12/24vDC, monitored.
- 1354-0102 Mortise mounted Mini Electro-Shearmagnet, 12/24vDC, monitored, complete with brushed silver anodised housing with black end caps.
- 1354-0201 Surface mounted Mini-Electro-Shearmagnet, 12/24vDC, monitored, brushed silver anodised housing with black end caps.
- 1354-0202 Surface mounted Mini-Electro-Shearmagnet, 12/24vDC, monitored, brushed gold anodised housing with black end caps.
- 1354-0203 Surface mounted Mini-Electro-Shearmagnet, 12/24vDC, monitored, brushed bronzed anodised housing with black end caps.
- 1354-0600 Flush mount contact.
- 1354-0306 Glass door fixing bracket for surface mounted Mini-Electro-Shearmagnet (one bracket required for each housing i.e glass door to glass head application will require two brackets). Adhesive is not included.
- 1354-0400 50ml bottle of Loctite Adhesive type 317 (suitable for 8 to 10 applications).
- 1354-0500 150ml spray can of Loctite Activator type 734 (suitable for 8 to 10 applications).

Surface Mounted Housings - Special Finishes

- 1354-0204 Surface mounted Mini Electro-Shearmagnet, 12/24vDC, monitored in Polished Nickel Plated housing with black end caps.
- 1354-0205 Surface mounted Mini Electro-Shearmagnet, 12/24vDC, monitored, in Polished Brass housing with end caps.

Related Hardware

RiteKey Keypad (p54) ~ Push-to-Exit Button (p56) ~ Power Supply Unit (p58)