

# Magnetic Locks and Bolts

## Direct-Pull Magnet - Armlock 281

The Adams Rite Door magnet range are surface mounted direct pull magnets that are used as part of an access control system for electric locking applications.



### Key Benefits

- Suitable for use on aluminium, timber and steel doors
- Compact case size and clean aesthetics
- Magnetic holding force of at least 510kg (1120 lbs)
- Has a security pin feature to help prevent unauthorised removal of the magnet from the door frame fixing plate
- Offers durability and low maintenance
- Available as a double magnet model
- User selectable dual voltage - 12 or 24vDC
- CE marked to EMC Directive
- Monitoring available (Hall Effect)
- Built in voltage spike suppressor
- Guarantee 3 years

### Related Hardware

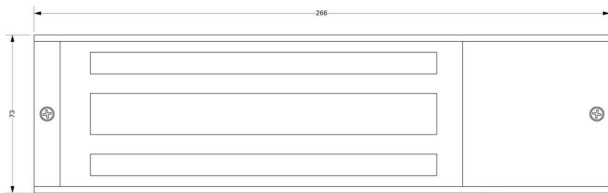
'L' and 'Z' Brackets ~ 4591M & 999M Monitored Paddle Handle & Exit Device  
Switching Accessories ~ RiteKey Keypad ~ Push-to-Exit Button ~ Power Supply Unit

# Magnetic Locks and Bolts

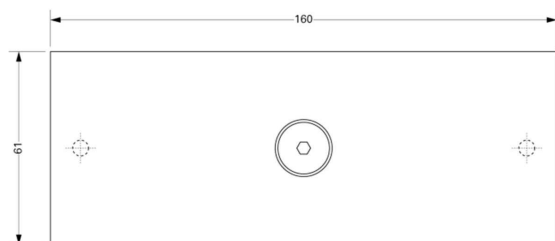
## Direct-Pull Magnet - Armlock 281

## Specification

**Armlock 281-005**



**Armature for Armlock 280 Series magnets**



|                        |                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Single Magnet:         | 40mm x 266mm x 73mm.                                                                                                           |
| Double Magnet:         | 40mm x 532mm x 73mm.                                                                                                           |
| Armature:              | 16mm x 160mm x 61mm. (2 no. for double magnet)                                                                                 |
| Nominal Holding Force: | 510kg (1120lbs).                                                                                                               |
| Supply Voltage:        | 12 or 24vDC (±15%).                                                                                                            |
| Nominal Current:       | 480mA @ 12vDC, 240mA @ 24vDC. Dual coil. Built-in voltage spike suppressor.                                                    |
| Monitoring:            | Relay dry contact with LED.                                                                                                    |
| Door Gap:              | Maximum 3mm (1/8").                                                                                                            |
| Positioning:           | Outward opening - surface mounted to door frame header. Inward opening - door frame header using 'L' & 'Z' brackets            |
| Magnet Housing:        | Brushed satin aluminium.                                                                                                       |
| Note:                  | To achieve immediate release, it is important that the release switch breaks the circuit on the positive supply to the magnet. |

## Ordering Information

|         |                                           |
|---------|-------------------------------------------|
| 281-000 | 281 STANDARD MAGNET SINGLE NON MONIOTORED |
| 281-005 | 281 STANDARD MAGNET SINGLE MONITORED      |
| 281-200 | 281 STANDARD MAGNET DOUBLE NON MONITORED  |
| 281-205 | 281 STANDARD MAGNET DOUBLE MONITORED      |

### 'L' & 'Z' Brackets & 'L' & 'Z' Brackets with Cover Plates

Adams Rite have a variety of brackets and housings which can be used with our Direct Pull Magnets



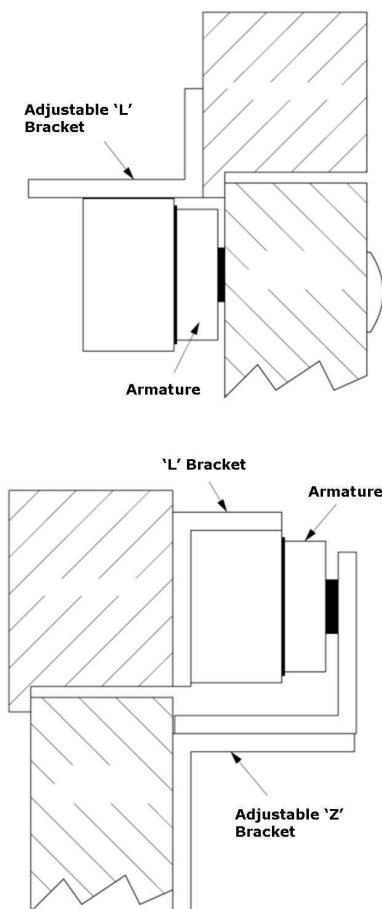
### Key Benefits

- Adjustable 'L' bracket: Suits typical outward opening door applications where there is not sufficient space to fit the magnet to the head of the door frame
- Suitable for use on aluminium, timber and steel doors
- 'L' & 'Z' Brackets: For conversion of Armlock r 280 Series magnets to inward opening door applications, the 'L' & 'Z' bracket kit consists of a standard 'L' bracket and two separate fully-adjustable plates which form the 'Z' bracket

### Related Hardware

Armlock® 281

## Specification



### 'L' & 'Z' Brackets

#### Adjustable 'L' Bracket:

|             |                              |
|-------------|------------------------------|
| Dimensions: | 38mm x<br>266mm x<br>75.5mm. |
| Material:   | Aluminium.                   |

#### 'L' & 'Z' Brackets:

|             |                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions: | 46mm x<br>266mm x<br>76mm<br>(Adjustable<br>and<br>standard 'L'<br>brackets).<br>63.5mm x<br>160mm x<br>63.5mm<br>(Adjustable<br>brackets). |
| Material:   | Aluminium.                                                                                                                                  |

#### Rim Armature Housing:

|             |                            |
|-------------|----------------------------|
| Dimensions: | 76mm x<br>175mm x<br>15mm. |
| Material:   | Aluminium.                 |

### 'L' & 'Z' Brackets with Cover Plates

#### Adjustable 'L' Brackets with cover Plates:

|             |                            |
|-------------|----------------------------|
| Dimensions: | 39mm x<br>270mm x<br>64mm. |
| Material:   | Aluminium.                 |

#### 'L' & 'Z' Brackets with Cover plate:

|           |            |
|-----------|------------|
| Material: | Aluminium. |
|-----------|------------|

#### Rim Armature Housing:

|             |                            |
|-------------|----------------------------|
| Dimensions: | 76mm x<br>175mm x<br>15mm. |
| Material:   | Aluminium.                 |

### Ordering Information

|         |                                                                         |
|---------|-------------------------------------------------------------------------|
| 281-700 | 'L' & 'Z' Brackets for Armlock 281 - Adjustable 'L' bracket, SAA finish |
| 281-701 | ADJUSTABLE L BRACKET FOR 281 MAGNET C/W COVER                           |
| 281-800 | 'L' & 'Z' Brackets for Armlock 281 - 'L' & 'Z' bracket kit, SAA finish  |
| 281-801 | L AND Z BRACKET FOR 281 MAGNET C/W COVER                                |
| 281-900 | 'L' & 'Z' Brackets for Armlock 281 - Rim armature housings, SAA finish  |

#### Accessories

|         |                                |
|---------|--------------------------------|
| 268-600 | 260/280 GLASS ARMATURE BRACKET |
|---------|--------------------------------|

# Magnetic Locks and Bolts

## External Magnet - Armlock 291

The Adams Rite Door magnet range are surface mounted direct pull magnets that are used as part of an access control system for electric locking applications.



To facilitate remote access and exit control of any external gate/barrier.

### Key Benefits

- Maintains a magnetic holding force of at least 540kg (1190lbs)
- Offers durability and low maintenance
- Compact case size and clean aesthetic
- Independently tested to achieve an ingress protection rating of IP67
- Built in voltage spike suppressor
- User selectable dual voltage - 12 or 24vDC
- Reed switches monitoring as standard
- Dual fixing positions to suit both side and face fix applications
- Suitable for use on aluminium, timber and steel doors
- Guarantee 3 years

### Related Hardware

RiteKey Keypad ~ Power Supply Unit