



Electromagnetic Locking

5YEAR

TRICARE
WARRANTY

PADDE SERIES

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Z4 and Z8 Single Series Non Monitored



The Lockwood Padde Series Single Series Electromagnetic Locks operate with holding forces from 250kg up to 580kg. Covering a range of applications the Z4 and Z8 Electromagnets are ideal for applications from cupboard doors through to high use commercial swing doors.

With fixing options including wood, aluminium and steel constructions as well as glass door applications, the range caters to most electromagnetic needs.

Key Features

- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- High holding force: refer to the technical data overleaf
- Self-alignment: armature plate pivots to accommodate door drop
- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc
- Instantaneous release: smart electronics on the Z Series Electromagnets eliminate residual magnetism
- 5 Year Tricare Warranty (Padde Series)

Applications

- Aluminium doors
- Glass doors
- IT storage rooms
- Access control
- Surface mount for inward and outward swinging doors

Product Details

	Z4 Magnet	Z8 Magnet
Holding Force	250kg-280kg	550kg-580kg
Dimensions	(L)238 x (H)48 x (D) 27 mm	(L)266 x (H)72 x (D) 40 mm
Voltage	12Vdc/ 24Vdc ±10%	12Vdc/ 24Vdc ±10%
Current	280mA @ (12Vdc) 140mA @ (24Vdc)	280mA @ (12Vdc) 140mA @ (24Vdc)
Monitoring	None	None
Operating Temperature	-25 to 55 Degrees	-25 to 55 Degrees
Operating Humidity	0-95%	0-95%

Standards and Compliance



Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1.2005 (Part 1: Fire Resistant Doorsets)



CE Approved

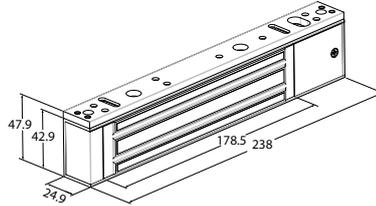


RCM Certified

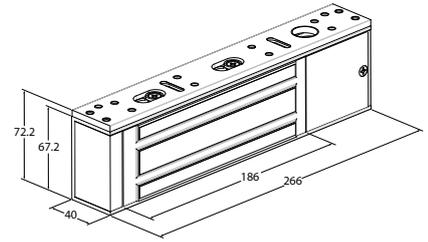
Z4 and Z8 Single Series Non Monitored



Z4 Electromagnetic Lock - Non Monitored



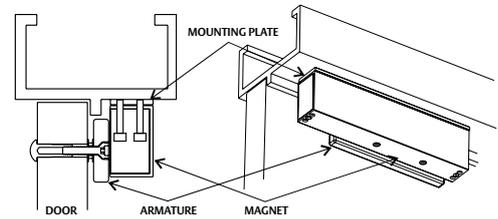
Z4 Electromagnetic Lock



Z8 Electromagnetic Lock



Z8 Electromagnetic Lock - Non Monitored



Typical Install for Z4 & Z8 out swinging doors.

Ordering Information

Part Number	Product Description
EMZ4-SN	EMZ4 E/Magnet 12/24Vdc Single Non Monitored
EMZ8-SN	EMZ8 E/Magnet 12/24Vdc Single Non Monitored
Accessories	
EMZ4B-SLZ	EMZ4 Bracket Single L & Z
EMZ4B-GU	EMZ4 Bracket Glass U 12Mm Glass
EMZ4B-GA	EMZ4 Bracket Glass Armature
EMZ4B-AN	EMZ4 Bracket Armature Non Monitored
EMZ4B-SMP	EMZ4 Bracket Single Mounting Plate
EMZ4SP-SC	EMZ4 Spare Part Screw Kit
EMZ8B-SLZ	EMZ8 Bracket Single L & Z
EMZ8B-GU	EMZ8 Bracket Glass U 12Mm Glass
EMZ8B-GA	EMZ8 Bracket Glass Armature
EMZ8B-AN	EMZ8 Bracket Armature Non Monitored
EMZ8B-SMP	EMZ8 Bracket Single Mounting Plate
EMZ8SP-SC	EMZ8 Spare Part Screw Kit

Specification Statement

The Single Series Electromagnetic Lock should be constructed in an aluminium case with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. In some cases the Magnet Armature Plate pivots to accommodate door drop. The lock needs to be equipped with "smart electronics" that have zero residual magnetism (instantaneous release). This is crucial for correct operation.

Z4 and Z8 Single Series Monitored



The Lockwood Padde Series Single Series Monitored Electromagnetic Locks, operate with holding forces from 250kg up to 580kg. These can also be used for doors that need to be monitored in terms of door position and if the door is locked.

Covering a range of applications the Z4 and Z8 Electromagnets are ideal for applications from cupboard doors through to high use commercial swing doors.

With fixing options including wood, aluminium and steel constructions, as well as glass door applications, the range caters to most electromagnetic needs.

Key Features

- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- High holding force: refer to the technical data overleaf
- Self-alignment: armature plate pivots to accommodate door drop
- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc

- Monitoring: reed switch monitoring on all models, hall-effect monitoring on Z4 and Z8 models
- Instantaneous release: smart electronics on the Z Series Electromagnets eliminate residual magnetism
- 5 Year Tricare Warranty (Padde Series)

Monitoring

Hall / Bond Monitoring

This indicates that the lock is powered and that the armature plate is in position and magnetically bonded (it monitors if the magnet is locked)

Reed Switch Monitoring

An integrated reed switch monitors the door position separately (it monitors the position of the door)

Applications

- Aluminium doors
- Glass doors
- IT storage rooms
- Access control
- Surface mount for inswing and outswing doors

Product Details

	Z4 Magnet	Z8 Magnet
Holding Force	250kg-280kg	550kg-580kg
Dimensions	(L)238 x (H)48 x (D) 27 mm	(L)266 x (H)72 x (D) 40 mm
Voltage	12Vdc/ 24Vdc ±10%	12Vdc/ 24Vdc ±10%
Current	450mA @ (12Vdc) 225mA @ (24Vdc)	512mA @ (12Vdc) 256mA @ (24Vdc)
Monitoring	Hall-Effect and Reed Switch	Hall-Effect and Reed Switch
Operating Temperature	-25 to 55 Degrees	-25 to 55 Degrees
Operating Humidity	0-95%	0-95%

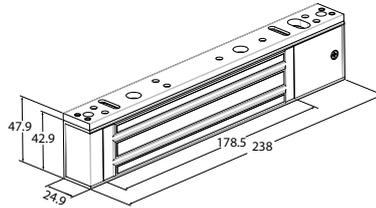
Standards and Compliance

	Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1.2005 (Part 1: Fire Resistant Doorsets)
	CE Approved
	RCM Certified

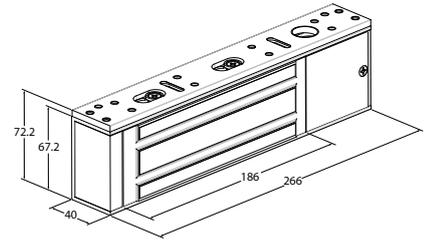
Z4 and Z8 Single Series Monitored



Z4 Electromagnetic Lock - Monitored



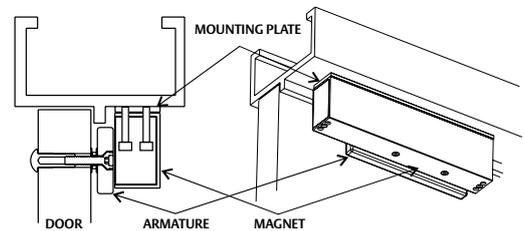
Z4 Electromagnetic Lock



Z8 Electromagnetic Lock



Z8 Electromagnetic Lock - Monitored



Typical Install for Z4 & Z8 out swinging doors.

Ordering Information

Part Number	Product Description
EMZ4-SM	EMZ4 E/Magnet 12/24Vdc Single Monitored
EMZ8-SM	EMZ8 E/Magnet 12/24Vdc Single Monitored
Accessories	
EMZ4B-SLZ	EMZ4 Bracket Single L & Z
EMZ4B-GU	EMZ4 Bracket Glass U 12mm
EMZ4B-GA	EMZ4 Bracket Glass Armature
EMZ4B-AM	EMZ4 Bracket Armature Monitored W/Magnet
EMZ4B-SMP	EMZ4 Bracket Single Mounting Plate
EMZ4SP-SC	EMZ4 Spare Part Screw Kit
EMZ4SP-PCBM	EMZ4 Spare Part Pcb Monitored
EMZ8B-SLZ	EMZ8 Bracket Single L & Z
EMZ8B-GU	EMZ8 Bracket Glass U 12Mm
EMZ8B-GA	EMZ8 Bracket Glass Armature
EMZ8B-AM	EMZ8 Bracket Armature Monitored W/Magnet
EMZ8B-SMP	EMZ8 Bracket Single Mounting Plate
EMZ8SP-SC	EMZ8 Spare Part Screw Kit
EMZ8SP-PCBM	EMZ8 Spare Pcb Monitored

Specification Statement

The Single Series Electromagnetic Lock should be constructed in an aluminium case with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. In some cases the magnet armature plate pivots to accommodate door drop. The lock needs to be equipped with "smart electronics" that have zero residual magnetism (instantaneous release). This is crucial for correct operation.

Z4 and Z8 Double Series Non Monitored



The Lockwood Padde Series Double Series Electromagnetic Locks operate with holding forces from 500kg up to 1160kg. Covering a range of applications these magnets are ideal for applications from access ways through to high use commercial swing doors. With fixing options including wood, aluminium and steel constructions as well as glass door applications, the range caters to most electromagnetic needs.

Key Features

- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- High holding force: refer to the technical data overleaf
- Self-alignment: armature plate pivots to accommodate door drop
- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc
- Instantaneous release: smart electronics on the electromagnets eliminate residual magnetism
- 5 Year Tricare Warranty (Padde Series)

Applications

- Aluminium doors
- Double swing doors
- Access control
- Surface mount for inswing and outswing doors

Product Details

	Z4 Magnet	Z8 Magnet
Holding Force	500kg-560kg	1100kg-1160kg
Dimensions	(L)476 x (H)48 x (D) 27 mm	(L)532 x (H)72 x (D) 40 mm
Voltage	12Vdc/ 24Vdc ±10%	12Vdc/ 24Vdc ±10%
Current	900mA @ (12Vdc) 450mA @ (24Vdc)	1024mA @ (12Vdc) 512mA @ (24Vdc)
Monitoring	None	None
Operating Temperature	-25 to 55 Degrees	-25 to 55 Degrees
Operating Humidity	0-95%	0-95%

Standards and Compliance



Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1.2005 (Part 1: Fire Resistant Doorsets)



CE Approved



RCM Certified

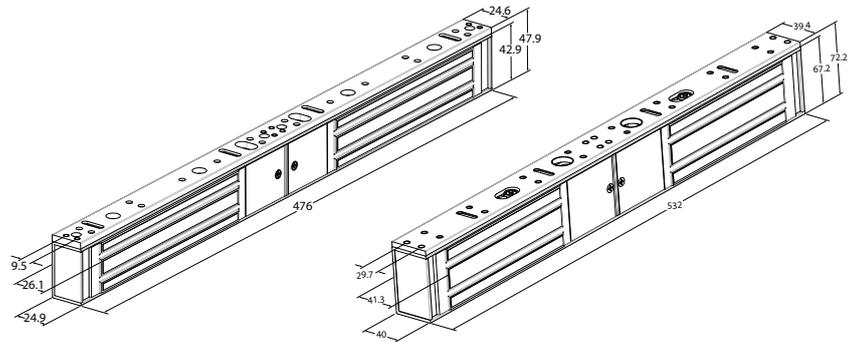
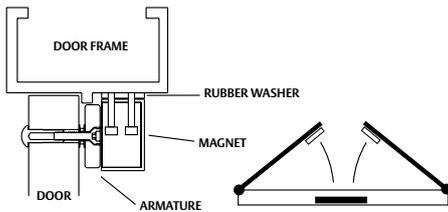
Z4 and Z8 Double Series Non Monitored



Z4 Double Electromagnetic Lock - Non Monitored



Z8 Double Electromagnetic Lock - Non Monitored



Out swinging door using the standard mounting plate.

Z4 Electromagnetic Lock

Z8 Electromagnetic Lock

Ordering Information

Part Number	Product Description
EMZ4-DN	EMZ4 E/Magnet 12/24Vdc Double Non Monitored
EMZ8-DN	EMZ8 E/Magnet 12/24Vdc Double Non Monitored
Accessories	
EMZ4B-DLZ	EMZ4 Bracket Double L & Z
EMZ4B-AN	EMZ4 Bracket Armature Non Monitored
EMZ4B-DMP	EMZ4 Bracket Double Mounting Plate
EMZ4SP-SC	EMZ4 Spare Part Screw Kit
EMZ8B-DLZ	EMZ8 Bracket Double L & Z
EMZ8B-AN	EMZ8 Bracket Armature Non Monitored
EMZ8B-DMP	EMZ8 Bracket Double Mounting Plate
EMZ8SP-SC	EMZ8 Spare Part Screw Kit

Specification Statement

The Double Series Electromagnetic Lock should be constructed in an aluminium case with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. The lock needs to be equipped with “smart electronics” that have zero residual magnetism (instantaneous release). This is crucial for correct operation.

Z4 and Z8 Double Series Monitored



Lockwood Padde Series Double Series Monitored Electromagnetic Locks, operate with holding forces from 500kg up to 1160kg.

These can also be used for doors that need to be monitored in terms of door position and if the door is locked.

Covering a range of applications the Z4 and Z8 Electromagnets are ideal for applications from cupboard doors through to high use commercial swing doors.

With fixing options including wood, aluminium and steel constructions, as well as glass door applications, the range caters to most electromagnetic needs.

Key Features

- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- High holding force: refer to the technical data overleaf
- Self-alignment: armature plate pivots to accommodate door drop

- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc
- Monitoring: hall-effect and reed switch monitoring on all models
- Instantaneous release: smart electronics on the Z Series Electromagnets eliminate residual magnetism
- 5 Year Tricare Warranty (Padde Series)

Applications

- Aluminium doors
- Double swing doors
- Access control
- Surface mount for inswing and outswing doors

Monitoring

Hall / Bond Monitoring

This indicates that the lock is powered and that the Armature Plate is in position and magnetically bonded (it monitors if the magnet is locked)

Reed Switch Monitoring

An integrated reed switch monitors the door position separately (it monitors the position of the door)

Product Details

	Z4 Magnet	Z8 Magnet
Holding Force	500kg-560kg	1100kg-1160kg
Dimensions	(L)476 x (H)48 x (D) 27 mm	(L)532 x (H)72 x (D) 40 mm
Voltage	12Vdc/ 24Vdc ±10%	12Vdc/ 24Vdc ±10%
Current	900mA @ (12Vdc) 450mA @ (24Vdc)	1024mA @ (12Vdc) 512mA @ (24Vdc)
Monitoring	Hall-Effect and Reed Switch	Hall-Effect and Reed Switch
Operating Temperature	-25 to 55 Degrees	-25 to 55 Degrees
Operating Humidity	0-95%	0-95%

Standards and Compliance



Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1.2005 (Part 1: Fire Resistant Doorsets)



CE Approved



RCM Certified

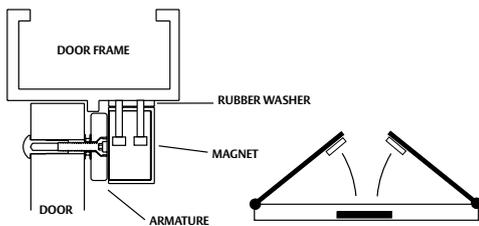
Z4 and Z8 Double Series Monitored



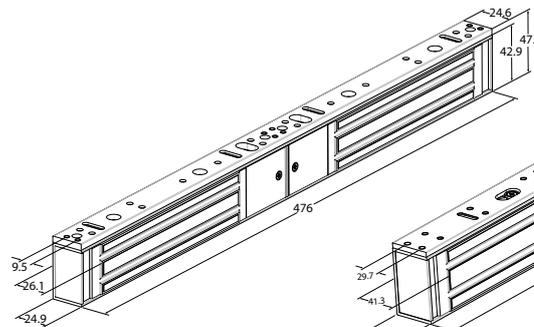
Z4 Double Electromagnetic Lock - Monitored



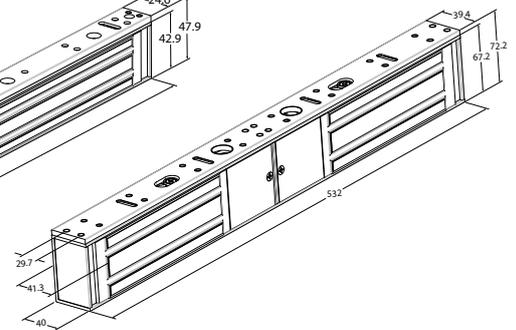
Z8 Double Electromagnetic Lock - Monitored



Out swinging door using the standard mounting plate.



Z4 Electromagnetic Lock



Z8 Electromagnetic Lock

Ordering Information

Part Number	Product Description
EMZ4-DM	EMZ4 E/Magnet 12/24Vdc Double Monitored
EMZ8-DM	EMZ8 E/Mag 12/24Vdc Double Monitored
Accessories	
EMZ4B-DLZ	EMZ4 Bracket Double L & Z
EMZ4B-AM	EMZ4 Bracket Armature Monitored W/Magnet
EMZ4B-DMP	EMZ4 Bracket Double Mounting Plate
EMZ4SP-SC	EMZ4 Spare Part Screw Kit
EMZ4SP-PCBM	EMZ4 Spare Part Pcb Monitored
EMZ8B-DLZ	EMZ8 Bracket Double L & Z
EMZ8B-AM	EMZ8 Bracket Armature Monitored W/Magnet
EMZ8B-DMP	EMZ8 Bracket Double Mounting Plate
EMZ8SP-SC	EMZ8 Spare Part Screw Kit
EMZ8SP-PCBM	EMZ8 Spare Pcb Monitored

Specification Statement

The Double Series Electromagnetic Lock should be constructed in an aluminium base with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. The lock needs to be equipped with "smart electronics" that have zero residual magnetism (instantaneous release). This is crucial for correct operation.

Z4 Recessed Electromagnetic Lock



The Lockwood Padde Series Z4 Recessed Electromagnetic Locks operate with holding forces up to 280kg. Covering a range of applications these magnets are ideal for situations where the magnet needs to be recessed such as swing and sliding doors. With fixing options including wood, aluminium and steel constructions, the range caters to most needs. The electromagnets are available in both monitored and non monitored models, using hall-effect monitoring on some. These Electromagnetic Locks are CSIRO approved for use on fire doors and are characterised by their high quality and proven reliability in both fire and security applications.

Key Features

- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- High holding force: refer to the technical data overleaf
- Self-alignment: armature plate pivots to accommodate door drop
- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc
- Monitored versions: hall-effect status monitoring available on some models
- Instantaneous release: smart electronics on the Z4 Recessed Electromagnetic Lock eliminate residual magnetism
- 5 Year Tricare Warranty (Padde Series)

Applications

- Various sliding door applications

Product Details

	Z4 Magnet Non Monitored	Z4 Magnet Monitored
Holding Force	250kg-280kg	250kg-280kg
Dimensions	(L)182 x (H)42 x (D)23 mm	(L)182 x (H)42 x (D)23 mm
Voltage	12Vdc/ 24Vdc $\pm 10\%$	12Vdc/ 24Vdc $\pm 10\%$
Current	450mA @ (12Vdc) 225mA @ (24Vdc)	450mA @ (12Vdc) 225mA @ (24Vdc)
Monitoring	None	None
Operating Temperature	-25 to 55 Degrees	-25 to 55 Degrees
Operating Humidity	0-95%	0-95%

Standards and Compliance



CE Approved

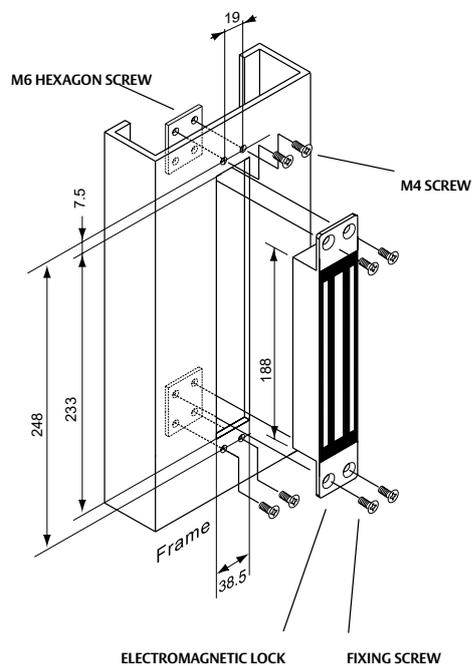
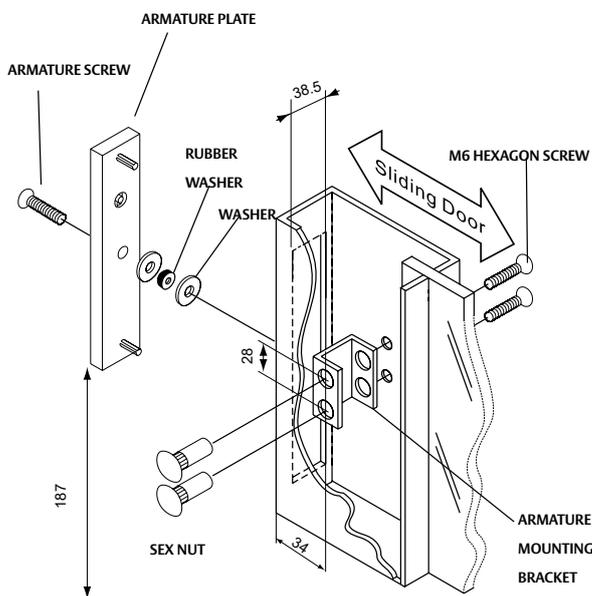


RCM Certified

Z4 Recessed Electromagnetic Lock



Z4 Recessed Electromagnetic Lock



Ordering Information

Part Number	Product Description
EMZ4-RSN	EMZ4 E/Magnet Recessed 12/24Vdc Single Non Monitored
EMZ4-RSM	EMZ4 E/Magnet Recessed 12/24Vdc Single Monitored

Specification Statement

The Z4 Recessed Electromagnetic Lock should be constructed in an aluminium case with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. The lock needs to be equipped with “smart electronics” that have zero residual magnetism (instantaneous release). This is crucial for correct operation.

Weather Resistant Electromagnetic Lock



The Lockwood Padde Series Weather Resistant Electromagnetic Lock operates with holding forces from 250kg up to 580kg. Covering a range of applications these are ideal where magnets are exposed to the weather. With fixing options including wood, aluminium and steel constructions as well as glass door applications, the range caters to most external needs. The electromagnets are available in monitored models using hall-effect monitoring. These Electromagnetic Locks are CSIRO approved for use on fire doors and are characterised by their high quality and proven reliability in both fire and security applications. The “smart electronics” have zero residual magnetism meaning instantaneous release when required. An additional advantage is the ability to select either 12V or 24V DC application on site.

Key Features

- Fail-Safe: unlocks when power is removed
- Easy installation: suitable for both new and retrofit usage
- Self-alignment: armature plate pivots to accommodate door drop
- Silent operation: no humming or buzzing
- Dual voltage: site selectable 12 or 24 Vdc
- Monitored versions: hall-effect status monitoring available
- 5 Year Tricare Warranty (Padde Series)

Monitoring

Hall / Bond Monitoring

Hall-effect position sensors are non-contact devices that convert energy from a magnetic field into an electrical signal. This indicates that the lock is powered and that the Armature Plate is in position and magnetically bonded (it monitors if the magnet is locked).

Applications

- Outdoor / exposed doors
- Doors located in coastal areas

Product Details

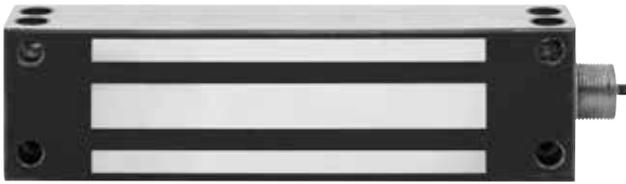
Z8 Weather Resistant Electromagnet

Holding Force	550kg-580kg
Dimensions	(L)230 x (H)67 x (D)43 mm
Voltage	12Vdc/ 24Vdc ±10%
Current	512mA @ (12Vdc) 256mA @ (24Vdc)
Monitoring	Hall-Effect
Operating Temperature	-25 to 55 Degrees
Operating Humidity	0-95%

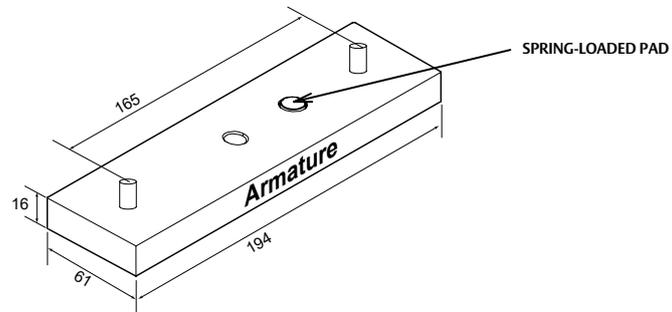
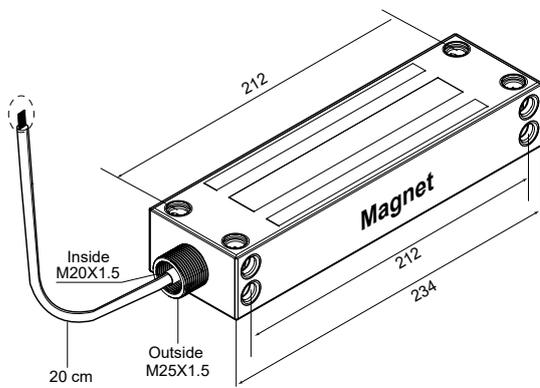
Standards and Compliance

	CE Approved
	RCM Certified

Weather Resistant Electromagnetic Lock



Z8 Weather Resistant Electromagnetic Lock - Monitored



Ordering Information

Part Number	Product Description
EMZ8-WSM	EMZ8 E/Magnet Weather Res 12/24Vdc Single Monitored

Specification Statement

The Weather Resistant Electromagnetic Lock should be constructed in an aluminium case with heavy duty electromagnet. The range only operates in Fail Safe mode and relies on a secondary lock or battery backup system. In some cases the Magnet Armature Plate pivots to accommodate door drop.

Electromagnetic Lock Accessories



L and Z Brackets



Angle Bracket



Armature Plate



Glass Door "U" Bracket

The Lockwood Padde Series Electromagnetic Lock range offers a number of accessory options. These accessories allow the Electromagnetic Locks to be used in a number of different applications and can be adjusted and suited to each situation. This allows the installer to configure the door as required allowing user specific features such as open in / open out selection or glass door applications. Lockwood's Electromagnetic Lock Accessories meet or exceed local and international standards, providing safe and secure locking.

Key Features

- Adjustable fixing positions
- Cast aluminium construction
- Meet and exceed international and local standards

Applications

- Open in/open out doors
- Glass door security
- Double doors security
- Sliding door security

Ordering Information

Part Number	Product Description
Z4 Brackets	
EMZ4B-SLZ	EMZ4 Bracket Single L & Z
EMZ4B-DLZ	EMZ4 Bracket Double L & Z
EMZ4B-GU	EMZ4 Bracket Glass U 12Mm
EMZ4B-GA	EMZ4 Bracket Glass Armature
EMZ4B-AN	EMZ4 Bracket Armature Non Monitored
EMZ4B-AM	EMZ4 Bracket Armature Monitored W/Magnet
EMZ4B-SMP	EMZ4 Bracket Single Mounting Plate
EMZ4B-DMP	EMZ4 Bracket Double Mounting Plate
Z8 Brackets	
EMZ8B-SLZ	EMZ8 Bracket Single L & Z
EMZ8B-DLZ	EMZ8 Bracket Double L & Z
EMZ8B-GU	EMZ8 Bracket Glass U 12Mm
EMZ8B-GA	EMZ8 Bracket Glass Armature
EMZ8B-DMP	EMZ8 Bracket Double Mounting Plate
EMZ8B-SMP	EMZ8 Bracket Single Mounting Plate
EMZ8B-AN	EMZ8 Bracket Armature Non Monitored
EMZ8B-AM	EMZ8 Bracket Armature Monitored W/Magnet