

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

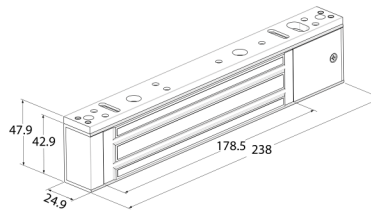


C-Tick Certified

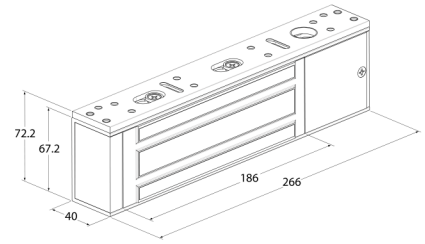
# Z4 and Z8 Single Series Monitored



Z4 Electromagnetic Lock - Monitored



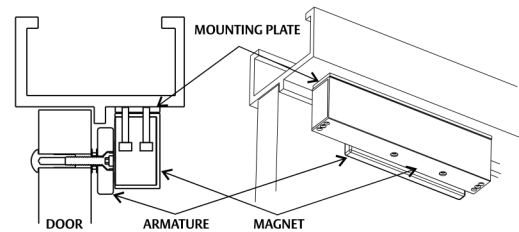
Z4 Electromagnetic Lock



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
<b>Accessories</b>	
EMZ4B-SLZ	EMZ4 Bracket Single L & Z
EMZ4B-SLZA	EMZ4 Bracket Single L & Z Adjustable
EMZ4B-GU	EMZ4 Bracket Glass U 12mm
EMZ4B-GA	EMZ4 Bracket Glass Amrature
EMZ4B-AM	EMZ4 Bracket Amrature 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-SLZA	EMZ8 Bracket Single L & Z Adjustable
EMZ8B-GU	EMZ8 Bracket Glass U 12Mm
EMZ8B-GA	EMZ8 Bracket Glass Amrature
EMZ8B-AM	EMZ8 Bracket Amrature 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.