

Z4 and Z8 Double Series Monitored Electromagnetic Lock



Z4 Double Electromagnetic Lock - Monitored



Z8 Double Electromagnetic Lock - Monitored

General Description

The 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
- Monitoring: Hall-Effect and Reed Switch monitoring on all models
- Instantaneous release: Smart electronics on the Z Series electromagnets eliminate residual magnetism.

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)

Standards and Compliance



Successfully fire rated up to 4hrs on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire resistant door sets)

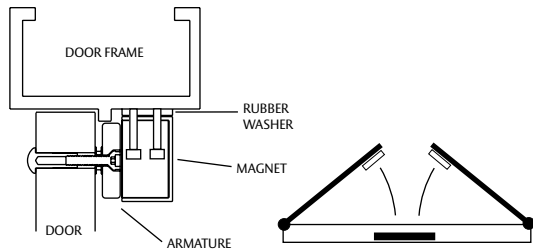


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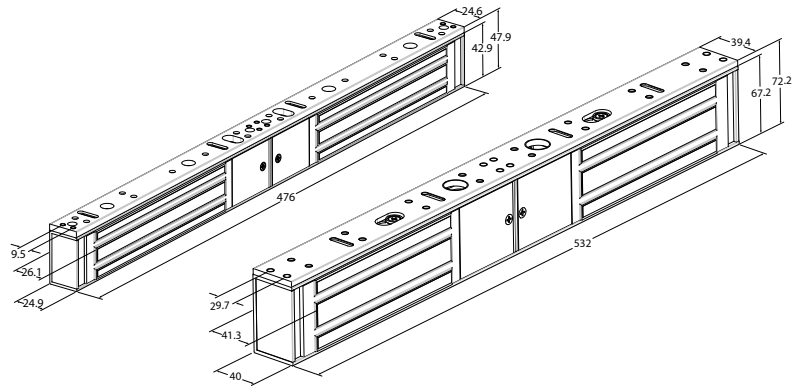


C-Tick Certified

Z4 and Z8 Double Series Monitored Electromagnetic Lock



Typical Install for Z4 & Z8 out swinging doors.



Z4 Electromagnetic Lock

Z8 Electromagnetic Lock

Double Series Monitored Technical Information

	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 @ (12Vdc)
Monitoring	Hall Effect / Bond sensing and Reed Switch	Hall Effect / Bond sensing and Reed Switch
Operating Temperature	-10 to 55 Degrees	-10 to 55 Degrees
Operating Humidity	0 - 95%	0 - 95%

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.

Ordering Information

Product Description	Part Number
Z4 Double Electromagnet – Monitored	770300-112T
Z8 Double Electromagnet – Monitored	770600-112T
Accessories	
EMZ4 Bracket Double L & Z	EMZ4B-DLZ
EMZ4 Bracket Armature Monitored W/Magnet	EMZ4B-AM
EMZ4 Bracket Double Mounting Plate	EMZ4B-DMP
EMZ4 Spare Part Screw Kit	EMZ4SP-SC
EMZ4 Spare Part Pcb Monitored	EMZ4SP-PCBM
EMZ8 Bracket Double L & Z	EMZ8B-DLZ
EMZ8 Bracket Armature Monitored W/Magnet	EMZ8B-AM
EMZ8 Bracket Double Mounting Plate	EMZ8B-DMP
EMZ8 Spare Part Screw Kit	EMZ8SP-SC
EMZ8 Spare Pcb Monitored	EMZ8SP-PCBM