# ALPRO 12V / 24V DC Monitored Surface Magnet With LED Indication

Alpro · Alpro · 1 variant

PRICING

**From £537.06 ex VAT**

£644.47 inc VAT

1 variant available
VAT 20.00%

## Product Imagery











## Specification Summary

| | |
|---|---|
| **Brand** | Alpro |
| **Product type** | Alpro |

## Product Description

The Alpro Vortex AL2400 is a compact, high-security surface electromagnetic door magnet designed to offer exceptional physical security in a streamlined profile. Unlike conventional face-to-face magnets, the Vortex AL2400 features a patented design combining magnetic and mechanical holding forces. A conical aperture on the magnet receives a high-strength alloy pin from the armature plate, delivering an independently tested holding force of

1500kg while remaining up to 75% smaller than standard magnetic locks.

Engineered with safety and reliability in mind, this fail-unlocked (fail-safe) unit is ideal for emergency egress routes. It is designed to release instantly even under a side load pressure of up to 100kg once power is cut. The unit is highly energy-efficient, consuming up to 50% less power than traditional alternatives, and features built-in LED status indication alongside comprehensive triple monitoring of both lock status and door position.

## Technical Specifications

- **Manufacturer Reference:** AL2400
- **Input Voltage:** 12V / 24V DC
- **Current Consumption:** 0.24A at 12V DC & 0.12A at 24V DC
- **Holding Force:** 1500kg (3300lbs)
- **Operation:** Fail Unlocked
- **Monitoring:** Triple monitored (Door position and Hall effect)
- **Fitting:** Surface mounted
- **Handing:** Outward opening
- **Finish:** Satin Anodised Aluminium
- **Magnet Dimensions:** 218mm (L) x 36mm (H) x 30mm (D)
- **Armature Plate Dimensions:** 180mm (W) x 30mm (H) x 12mm (D)
- **Housing Dimensions:** 251mm (W) x 38mm (H) x 30mm (D)
- **Weight:** 1.5kg
- **Guarantee:** 5 years

## Key Features

- **Hybrid Locking Technology:** Combines magnetic and mechanical force via a conical pin for exceptional security.
- **Side Load Release:** Releases under up to 100kg of side load pressure when power is removed, ensuring safe emergency egress.
- **Compact Design:** Up to 75% smaller than standard face-to-face magnets for a discreet, modern installation.
- **Energy Efficient:** Low power consumption reduces energy usage by up to 50% compared to traditional magnets.
- **LED Status Indication:** Built-in LED provides clear, immediate visual confirmation of lock status.
- **Comprehensive Monitoring:** Triple monitored functionality tracks door position and Hall effect.

## Variant Specifications And Pricing

| Image | Part Number | Ex VAT | Inc VAT | Attributes / Specs |
|---|---|---|---|---|
|  | L18099 | £537.06 | £644.47 | **Barcode:** 5055120699097<br>**Brand:** Alpro<br>**Current Consumption:** 0.24A at 12V DC & 0.12A At 24V DC<br>**Finish:** Satin Anodised Aluminium<br>**Fitting:** Surface<br>**Guarantee:** 5 Year<br>**Handed:** Outward Opening<br>**Holding Force:** 1500Kg / 3300Lbs<br>**Input Voltage:** 12/24V DC<br>**Magnet Depth:** 30mm<br>**Magnet Height:** 36mm<br>**Magnet Length:** 218mm<br>**Manufacturer Reference:** AL2400<br>**Monitored:** Yes<br>**Notes:** Triple Monitored - Door Position and Hall Effect<br>**Operation:** Fail Unlocked<br>**Plate Depth:** Armature - 12mm / Housing 30mm<br>**Plate Height:** Armature - 30mm / Housing 38mm<br>**Plate Width:** Armature - 180mm / Housing 251mm<br>**Weather Resistant:** No<br>**Weight:** 1.5Kg |

## Brand Profile

Alpro




**Alpro (Alpro Architectural Hardware)** is a UK supplier of **architectural door hardware and access-control components**, focused heavily on the **commercial aluminium door (OEM) market** and the wider **access control** environment. It operates as a **division of IEC Limited**, an **independent, family-owned** company founded in **1938** to supply quality mechanical components.

Alpro's catalogue spans both **mechanical** and **electro-mechanical** products: contemporary **pull handles**, **lever/paddle handles**, **deadlocks/deadlatches**, **cylinders**, **transom door closers**, and hardware like **flushbolts** and **armoured strikes**, alongside access-control staples such as **electric strikes**, **deadlocking/solenoid bolts**, **shearlocks**, **cabinet locks**, and **IP-rated keypads and exit switches**.

The company also highlights **BS EN ISO 9001:2015 approval**, technical support, CAD/design capability, and a stock-led operation aimed at quick dispatch - positioning Alpro as a practical "solve the door problem" brand for installers and fabricators rather than a consumer retail name.