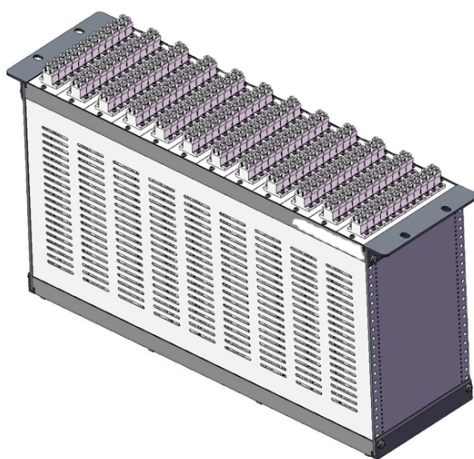


AL401 Distribution Box



Overview

dormakaba Enhance security with the 01 Series Emergency Lock Function, compatible with EL 301 and AL 401/501 operators. At the press of a dormakaba The AL4.

Key Takeaways

The AL 401 automatic sliding door operator includes an integrated distribution/control box that houses its electrical components, battery backup, and programming interfaces. Overview

The AL 401 is a heavy-duty automatic sliding door operator designed for single or bi-parting doors with a maximum load of 400 kg. Its system includes a rubber-mounted stainless steel track and a heavy-duty cowl, ensuring durability and long-term performance under high usage conditions (up to 1 million cycles) and compliance with Australian Standard AS5007 and the Building Code of Australia (BCA) .

Distribution/Control Box Features

While the term "distribution box" is not explicitly used, the AL 401 operator contains an integrated electrical enclosure that manages:

- Power supply and monitored battery backup: The operator includes a rechargeable battery system capable of operating the door for up to 300 cycles during a mains power failure, with an audible alarm to indicate low battery or fault conditions .
- Operator programming interface: The control box has an input jack for a programming device, allowing configuration and diagnostics of door operation .

- **Diagnostic feedback:** Integrated feedback provides real-time information on door function, including status and servicing requirements .
- **Safety and compliance:** The electrical enclosure ensures the operator meets safety standards and supports features like emergency stop and controlled door locking during power outages .

Installation and Integration

The distribution/control box is fully housed within the extruded aluminium operator casing (265mm H x 152mm W), simplifying installation and protecting internal components from environmental exposure. It supports various installation alternatives, including wall-mounted or ceiling-mounted configurations, and is compatible with BIM software for architectural planning .

Summary

The AL 401's distribution box functions as the central hub for power management, control, and diagnostics, ensuring reliable operation of heavy-duty sliding doors even during power interruptions. It integrates seamlessly with the operator's mechanical and safety systems, providing a robust solution for commercial and high-traffic environments .

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Annex C.41 Protective measures for application only when the installations are controlled or under the supervision of skilled or

EL 301 Gearbox [AL 401 12:1]

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