

Adams Rite 4300 ELTACH

ADAMS RITE 4300 ELTACH Electrified Deadlatch User Manual

Model: 4300-20-202-313

PRODUCT OVERVIEW

The Adams Rite 4300 ELTACH Electrified Deadlatch is engineered for seamless integration with access control systems, providing enhanced security for narrow stile aluminum entrance doors. This non-handed, electrified deadlatch offers a modern solution for upgrading existing mechanical MS deadlocks and deadlatches without requiring extensive modifications.

It is designed to be a direct, no-cut, no-drilling replacement for mechanical MS deadlocks and deadlatches, fitting standard Adams Rite MS prepped aluminum entrance doors. This design significantly reduces installation time and cost.

KEY FEATURES

- **Electrified Operation:** Integrates with access control systems for enhanced security.
- **Easy Retrofit:** No-cut, no-drilling replacement for mechanical MS deadlocks and deadlatches.
- **Compatibility:** Works with standard Adams Rite MS prepped aluminum entrance doors and existing Adams Rite trim (levers and paddles).
- **ADA Compliance:** Provides ADA and Single Motion to Egress code compliance when paired with Adams Rite lever or paddle trim.
- **Non-Handed:** Simplifies installation and inventory management.
- **Power Versatility:** Field selectable for 12, 16, or 24 VDC power sources (16 VDC requires adapter P/N VA 7400-16VDC).
- **Easy Connection:** Equipped with a quick connect plug-in type connector.
- **Optional Monitoring:** Available with form "C" latch status monitoring.

SETUP AND INSTALLATION

The Adams Rite 4300 ELTACH is designed for straightforward installation, particularly as a retrofit solution.

1. **Preparation:** Ensure the door is a standard narrow stile aluminum entrance door with an existing MS preparation. No additional cutting or drilling is typically required for the deadlatch body itself.
2. **Power Source Selection:** Determine the appropriate power source (12, 16, or 24 VDC). If using 16 VDC, ensure the P/N VA 7400-16VDC adapter is available and connected. The deadlatch is field selectable to match the power source.
3. **Wiring:** Utilize the quick connect plug-in type connector for easy and secure electrical connection to your access

control system. Refer to your access control system's wiring diagram for specific connections.

4. **Mounting:** Insert the 4300 ELTACH into the MS prepped door stile. Secure it using the provided fasteners.
5. **Cylinder Installation:** Install a standard mortise cylinder from either or both sides as required for your application.
6. **Trim Installation:** Attach existing or new Adams Rite trim (levers or paddles) to the door, ensuring proper alignment and function with the deadlatch.
7. **Testing:** After installation, thoroughly test the deadlatch's mechanical and electrical functions, including locking, unlocking, and integration with the access control system.



Image: The Adams Rite 4300 ELTACH Electrified Deadlatch unit, showing its main body, latch bolt, and deadbolt mechanism. This view highlights the compact design suitable for narrow stile applications.

OPERATING INSTRUCTIONS

The 4300 ELTACH operates in conjunction with an access control system and a standard mortise cylinder.

- **Access Control Operation:** When an authorized signal is received from the access control system, the deadlatch will retract, allowing the door to be opened.
- **Key Operation:** The deadlatch can be mechanically operated using a standard mortise cylinder key from either side, depending on the cylinder configuration. Turning the key will retract the latch bolt.
- **Lever/Paddle Trim Operation:** When paired with Adams Rite lever or paddle trim, the deadlatch can be retracted by depressing the lever or paddle, providing single motion egress.
- **Automatic Relocking:** Upon door closure, the deadlatch will automatically extend and secure the door.

MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your Adams Rite 4300 ELTACH Electrified Deadlatch.

- **Cleaning:** Periodically wipe down the exposed surfaces of the deadlatch and associated trim with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish.

- **Lubrication:** Lightly lubricate moving parts, such as the latch bolt and cylinder mechanism, with a silicone-based lubricant or dry graphite powder annually. Do not use oil-based lubricants as they can attract dirt.
- **Fastener Check:** Annually inspect all mounting screws and fasteners to ensure they are tight. Loose fasteners can affect the deadlatch's alignment and operation.
- **Electrical Connections:** If accessible and safe to do so, periodically check the quick connect plug-in for secure connection. Ensure no wires are frayed or damaged.
- **Functionality Test:** Regularly test the deadlatch's operation with both the access control system and the key to ensure smooth and consistent performance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Deadlatch does not retract electrically.	No power to the unit. Incorrect voltage setting. Faulty wiring/connection. Access control system issue.	Verify power supply to the deadlatch. Check the field selectable voltage setting matches the power source. Inspect quick connect plug-in and wiring for damage or loose connections. Consult access control system manual or technician.
Key operation is stiff or difficult.	Lack of lubrication. Misaligned cylinder. Damaged cylinder.	Apply dry graphite or silicone lubricant to the cylinder. Check cylinder alignment and re-seat if necessary. Replace the mortise cylinder.
Deadlatch does not extend fully or secure the door.	Obstruction in the door frame/strike. Misalignment of the deadlatch. Damaged internal mechanism.	Clear any debris from the strike plate area. Check deadlatch alignment within the door stile. Contact a qualified locksmith or Adams Rite support.

SPECIFICATIONS

Attribute	Detail
Brand	Adams Rite
Model	4300 ELTACH (Part No. 4300-20-202-313)
Backset	31/32" (for Radius Mortised Strike)
Voltage	Field selectable 12, 16, or 24 VDC (16 VDC requires adapter P/N VA 7400-16VDC)
Handing	Non-handed
Material	Metal

Attribute	Detail
Color	Bronze
Dimensions (L x W x H)	9 x 2 x 2.3 inches
Lock Type	Combination Lock (Electrified Deadlatch)
Control Method	App (<i>Note: This refers to integration with access control systems often managed via app, not a direct app for the deadlatch itself.</i>)
UPC	888512101039
Manufacturer	ASSA ABLOY

WARRANTY AND SUPPORT

For specific warranty information regarding your Adams Rite 4300 ELTACH Electrified Deadlatch, please refer to the documentation provided with your purchase or visit the official Adams Rite (an ASSA ABLOY company) website. Warranty terms typically cover manufacturing defects.

For technical support, installation assistance, or service inquiries, please contact Adams Rite customer service directly. Contact information can usually be found on the manufacturer's official website or product packaging.

Note: Protection plans offered by third-party retailers are separate from the manufacturer's warranty.

