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AP Products 013-531

AP Products 013-531 Electric Motor Home Lock User Manual

Model: 013-531 | Brand: AP Products

1. Product Overview

The AP Products 013-531 Electric Motor Home Lock is an intelligent keyless entry system designed for motorized vehicles. This lock provides secure access with a programmable keypad and includes features such as deadbolt position indication, low battery alerts, and audible feedback for locking and unlocking functions. It is FMVSS206 approved, ensuring it meets federal motor vehicle safety standards for strength and durability.

The Bauer EM lock utilizes touch technology for code entry, meaning buttons are activated by touch rather than requiring a physical press. This manual provides instructions for installation, operation, programming, and maintenance of your new lock.



Figure 1: AP Products 013-531 Electric Motor Home Lock components, including the exterior keypad unit, interior battery housing, strike plate, and two keys.

2. Key Features

- **Intelligent Keyless Entry:** System indicates deadbolt position and provides audible feedback for locking/unlocking.
- **Low Battery Indication:** Alerts user when battery strength is low.
- **FMVSS206 Approved:** Meets federal motor vehicle safety standards for strength in motorized vehicles.
- **Touch Technology Keypad:** Buttons are activated by touch, not physical pressing, for code entry.
- **Programmable PIN:** Features a 4-digit programmable PIN for keyless access.
- **Mechanical Key Override:** Traditional key access is always available for emergencies or dead batteries.
- **Easy Installation:** Designed to be retrofittable in most 2-pin motorized RV entry doors.
- **Proximity Sensing:** Illuminates keypad buttons when approached.

3. Package Contents

Verify that all components are present before beginning installation:

- AP Products 013-531 Bauer Motor Home Door Lock (Exterior and Interior Units)
- Strike Plate
- Mounting Screws
- 2 Keys

4. Specifications

Feature	Detail
Brand	AP Products
Model Name	013-531
Lock Type	Deadbolt
Material	Zinc
Power Source	4 AA Batteries (not included)
Control Method	Touch Keypad, Mechanical Key
Dimensions (L x W x H)	9 x 6 x 3 inches
Item Weight	6 Pounds

5. Installation Instructions

The AP Products 013-531 lock is designed for retrofitting into most 2-pin motorized RV entry doors. Ensure you have the necessary tools before starting.

5.1 Prepare the Door Opening

Carefully remove your existing lock. Measure the existing cut-out to ensure compatibility. Minor adjustments to the door opening may be required for a proper fit, as tolerances can be tight. Refer to the provided cut-out drawing for precise dimensions.

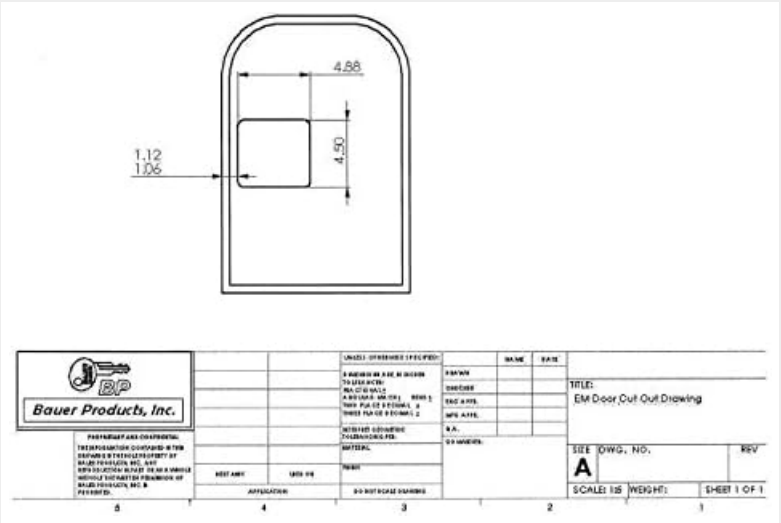


Figure 2: EM Door Cut Out Drawing. This diagram provides the necessary dimensions for preparing the door opening for the lock installation.

5.2 Install the Lock Assembly

1. Insert the exterior lock unit into the prepared opening from the outside of the door.
2. Align the interior lock unit with the exterior unit, ensuring the spindle and wiring connect correctly.
3. Secure both units using the provided mounting screws. Do not overtighten.
4. Ensure the lock gasket provides a complete seal to prevent water intrusion. Additional sealant may be required depending on your RV's door design.

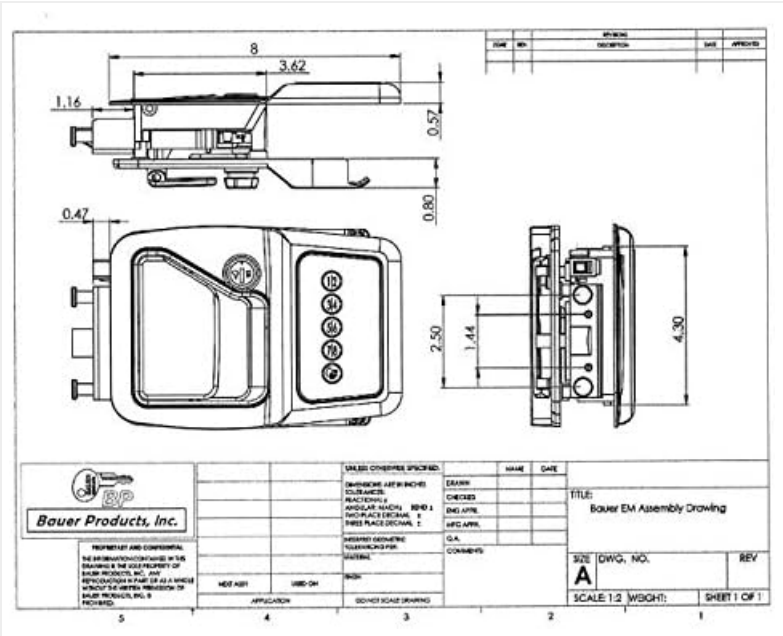


Figure 3: Bauer EM Assembly Drawing. This diagram illustrates the components and their arrangement during installation.

5.3 Install the Strike Plate

The supplied strike plate **must** be installed to ensure compliance with FMVSS206 standards. Remove any existing strike plate and install the new one, ensuring it aligns correctly with the deadbolt and latch mechanism. Proper alignment is crucial for smooth operation and security.

6. Operation

6.1 Keyless Entry

The keypad features four buttons labeled "1|2", "3|4", "5|6", and "7|8". These buttons are activated by touch. To enter your code, simply touch the desired numbers in sequence and lift your finger after each touch. The proximity sensing feature will illuminate the buttons as you approach.

- **To Unlock:** Enter your 4-digit PIN. The lock will provide audible feedback upon successful unlocking.
- **To Lock:** Press and hold two buttons simultaneously on the keypad, or use the interior lock mechanism. The lock will provide audible feedback upon successful locking.

Important: Ensure the door is completely closed for the deadbolt to operate correctly. If the door is slightly ajar, the electric motor may not have sufficient strength to engage or disengage the deadbolt.

6.2 Mechanical Key Override

In case of a forgotten code or dead batteries, the lock can always be operated using the provided mechanical keys. Insert the key into the cylinder and turn to lock or unlock the deadbolt and paddle mechanism.

7. Battery Information

The Bauer EM lock operates on 4 AA batteries. Batteries are not included with the product.

- **Battery Type:** Use 4 AA alkaline batteries. Zinc carbon batteries are not recommended for this application due to their lower performance and shorter lifespan. Lithium batteries may offer extended life, especially in varying temperatures.
- **Installation:** Access the battery compartment on the interior unit of the lock. Ensure correct polarity when inserting batteries.
- **Low Battery Indication:** The lock will provide an alert when battery strength is low. Replace batteries promptly when this occurs.
- **Battery Life:** Battery life varies significantly based on battery quality, usage frequency, and environmental temperature.
- **Storage:** If the lock will not be used for extended periods, remove the batteries to prevent leakage and damage.

8. Programming Your PIN

The AP Products 013-531 allows you to set a personalized 4-digit PIN for keyless entry. Follow these steps to program your code:

1. Ensure the door is unlocked and open.
2. Locate the program button on the interior unit (often a small button or switch). Press and release it.
3. Within a few seconds, enter your desired 4-digit PIN on the exterior keypad. Remember to use the touch technology: touch each number and lift your finger.
4. Re-enter the same 4-digit PIN to confirm.
5. The lock should provide an audible confirmation (e.g., a beep) indicating successful programming.
6. Test your new PIN with the door open before closing and locking it.

To Reset PIN: If you need to reset the PIN or encounter issues, you may need to remove and reinsert the batteries, then follow the programming steps again. Consult the manufacturer's specific instructions if a dedicated reset procedure is available.

9. Maintenance

Regular maintenance helps ensure the longevity and reliable operation of your lock.

- **Cleaning:** Wipe the exterior keypad and handle with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or electronic components.
- **Battery Check:** Periodically check battery levels and replace them as needed, especially before extended trips or during seasonal changes.
- **Lubrication:** If the mechanical key mechanism feels stiff, apply a small amount of graphite lubricant to the keyway. Do not use oil-based lubricants.
- **Door Alignment:** Ensure your RV door remains properly aligned. Misalignment can cause the lock to bind or prevent the deadbolt from engaging fully.

10. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Lock does not respond to keypad entry.	Dead or low batteries; incorrect PIN entered; keypad malfunction.	Replace batteries; re-enter PIN carefully; use mechanical key; contact support if keypad is unresponsive.
Deadbolt does not engage/disengage fully.	Door not fully closed; strike plate misalignment; obstruction.	Ensure door is completely closed and latched; check strike plate alignment and adjust if necessary; remove any obstructions.
Lock makes a sound but doesn't lock/unlock.	Insufficient battery power; mechanical binding.	Replace batteries; check for door alignment issues or obstructions preventing smooth deadbolt movement.
Keypad buttons are not illuminating.	Proximity sensor issue; dead batteries.	Ensure batteries are fresh; check for any physical obstructions over the sensor.
Cannot program new PIN.	Incorrect programming sequence; low batteries.	Follow programming steps precisely; replace batteries; try resetting by removing and reinserting batteries.

11. Warranty and Support

For specific warranty information regarding your AP Products 013-531 Electric Motor Home Lock, please refer to the documentation provided at the time of purchase or contact AP Products directly. Support contact details can typically be found on the manufacturer's official website.

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Question

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Details

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