

# Service Bulletin 225

## Wireless Reversing Edge Battery Replacement

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|                              |                                                                   |           |        |        |
|------------------------------|-------------------------------------------------------------------|-----------|--------|--------|
| Summary                      | This bulletin covers the replacement for the mobile unit battery. |           |        |        |
| Products Affected            | Any door with a wireless reversing edge                           |           |        |        |
| Keywords                     | wireless, battery, replacement                                    |           |        |        |
| Tools and Equipment Required | 4 mm Allen wrench, small flat blade screwdriver                   |           |        |        |
| Parts and Materials Required | R00111193 Replacement Battery                                     |           |        |        |
| Related Media                | N/A                                                               |           |        |        |
|                              | Issue Date                                                        | June 2025 | Status | Active |



WARNING

**Read and understand** the entire service bulletin before proceeding.

When instructed to do so, follow lockout/tagout procedures before servicing the door.

### Overview

This bulletin covers the replacement for the mobile unit battery.

The Rytec Ry-Wi wireless reversing edge system uses a 3.9 V lithium battery. If the controller is displaying F:857 Battery Low, the wireless battery may need to be replaced. Check and confirm 3.9 VDC while under load. If it is 3.61 VDC or less the battery needs to be replaced.

### Replacement Part

- R00111193 BATTERY WIRELESS EDGE  
Includes replacement wireless wire nuts for installation

PROCEDURE

## Safety Information And the Meaning Of Signal Words

Technical content produced by Rytec includes safety information which must be read, understood, and followed to reduce the risk of death, personal injury, or equipment damage. This information is boxed to set it apart from other text. The boxed text identifies the nature of the hazard and appropriate steps to avoid it.

Each safety alert includes at least three components. The safety alert symbol may be general alert symbol or an alert symbol specific to the hazard. The safety signal word indicates the likelihood and potential severity of injury due to the hazard. The safety information contains information about the hazard and how to safely mitigate it.

The following severities may exist for working with this kit:

|                                                                                    |                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <div data-bbox="334 453 1002 499"><b>DANGER</b></div> <div data-bbox="334 499 1002 596"><b>Danger</b> indicates a hazardous situation which, if not avoided, will cause death or serious injury.</div>                                                     |
|   | <div data-bbox="334 625 1002 672"><b>WARNING</b></div> <div data-bbox="334 672 1002 768"><b>Warning</b> indicates a hazardous situation which, if not avoided, can cause death or serious injury.</div>                                                    |
|   | <div data-bbox="334 798 1002 844"><b>CAUTION</b></div> <div data-bbox="334 844 1002 940"><b>Caution</b> indicates a hazardous situation which, if not avoided, can cause minor or moderate injury.</div>                                                   |
|  | <div data-bbox="334 970 1002 1016"><b>NOTICE</b></div> <div data-bbox="334 1016 1002 1159"><b>Notice</b> is used to address practices not related to physical injury but which, if not followed, can result in damage to the door or other property.</div> |

## Raise Door for Battery Replacement

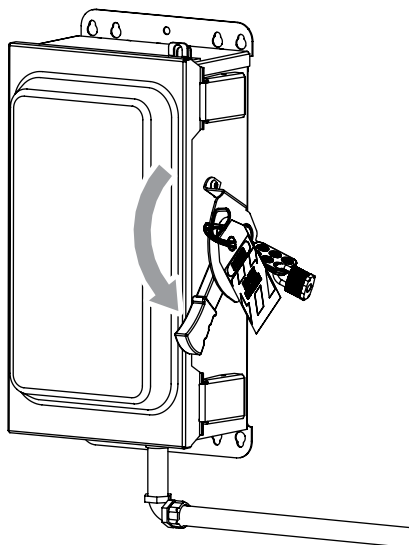
Before replacing the battery, position the door at a comfortable working height.

- 1 Place the door into **jog mode** by holding the RESET and CLOSE keys simultaneously.
- 2 **Raise** the door panel to a comfortable working height using the OPEN and CLOSE keys.

## Disconnect Power and Perform Lockout/Tagout

To prevent unexpected movement and exposure to hazardous voltages, disconnect the door from power and perform a lockout/tagout when instructed.

- 1 With the door panel in the fully up position, **locate the disconnect switch**. The disconnect switch may be a fused disconnect located near the System 4® controller or located on the controller itself.
- 2 **Set the disconnect switch** to the **OFF** position.



- 3 **Perform a lockout/tagout** on the disconnect switch.



Lockout  
Tagout

|  |                                                                                                                  |
|--|------------------------------------------------------------------------------------------------------------------|
|  | <b>CAUTION</b>                                                                                                   |
|  | <p><b>Inform all users</b> of the door when the door is out of service and when it is put back into service.</p> |

## Replace the Battery

- 1 **Remove** the two 4 mm Allen screws from the Ry-Wi cover.



- 2 If the battery is connected via wire nuts, **unfasten** the wire nuts.

If the battery is connected directly to a terminal block, **remove the wires** from the terminal block with a small flat blade screwdriver.



- 3 **Remove** the old battery and **install** the new battery into the cover.



- 4 **Strip 1/4 inch** off the ends of the battery wires.

If the old battery was connected via wire nuts, **use the new wire nuts** to connect the wires from the new battery to the wires to the wireless unit.

If the old battery was connected directly to a terminal block, **attach** the wires to the terminal block and secure using a small flat blade screwdriver.

- 5 **Reinstall** the cover and Allen screws.

- 6 **Remove the lockout/tagout** and reapply power to the door.

## Update Controller

### System 3 Controller

- 1 **Contact Rytec Technical Support** at 1-800-628-1909 to receive a Rytec level password to change parameters P:F09 and P:F0B to a value of 0. See the System 3 Controller Owner's Manual for instructions on navigating and setting parameters.

If you have v05.24 software of your EPROM, you will need to change P:F08 to 0.0.

### System 4 Controller

- 1 **Set parameters** P:F09 and P:F0B to a value of 0. See the System 4 Controller Owner's Manual for instructions on navigating and setting parameters.

Some early versions of the controller may not allow you to change them. Contact Rytec Technical Support at 1-800-628-1909 to receive a Rytec level password to do so.



#### NOTICE

**Failure to change** parameters P:F09 and P:F0B to 0 may cause the F:857 Battery Low message to appear although the battery is new.