
Wireless Remote Control System for Air Balancing Damper Adjustments

The RCM Battery Pack Details

The batteries used in the RCM are state-of-the-art, lithium-ion high power density type, and have a long shelf life (5-7 years). Lithium batteries tend to remain near full capacity and then drop off quickly near the end of their life. Unlike some Lithium batteries, these are **NOT** rechargeable, and in fact trying to recharge them could result in a fire or explosion! When the RCM is operating, the red power LED will begin blinking when the battery is approaching the end of its useful life (about **TWO runtime** hours remaining). To conserve battery power, the software will shut the RCM down completely if no command activity is sensed for a period of 40 minutes. Pressing the PWR button will restart the RCM.

The battery pack will operate the RCM for at least 5 to 6 **continuous** hours. Allowing an **actual** runtime per balancing procedure of five minutes, each pack will provide a conservative minimum of 50 balancing operations before needing replacement.

Battery Pack Replacement – Step 1

Battery packs for the RCM can be ordered from your rep. To replace the battery pack, first remove the protective rubber boot by first slipping it off over the bottom of the RCM enclosure

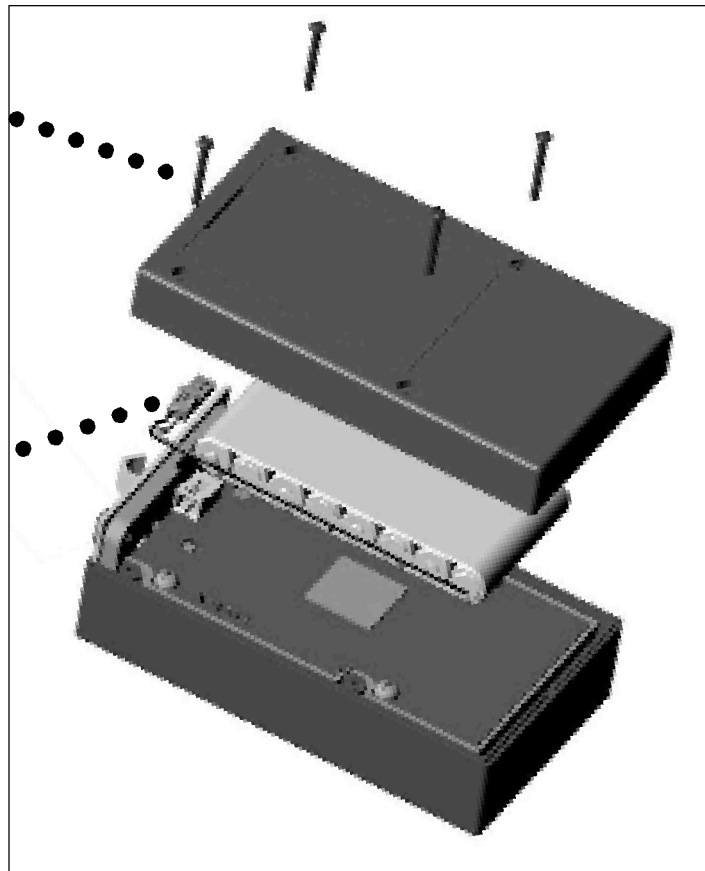
Turn the case over and remove the four screws with a #1 phillips screw driver. Obviously, a cordless drill would make short work of this task. Just don't overtorque the screws when tightening down the cover.

Battery Pack Replacement – Step 2

The battery pack has a connector that slides into the mating connector on the printed circuit board. With close observation you will see a small retaining "hump" on the connector and by pushing down on it with a fairly pointed object such as paper clip, nail file, or similar, while simultaneously sliding it to the **LEFT**, the battery part of the clip will slide out, freeing the battery pack.

Installing a new pack is just a matter of reversing these steps.

Take care to dispose of the spent battery pack in a responsible manner..



Even a well-designed HVAC system may perform poorly and waste energy if not properly balanced. The Zipset System's unique approach to the balancing task offers a quick, precise, and economical solution.

The Zipset System is a product of The Zip Group, LLC

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