

# Tips & Techniques:

## K-Weigh™ Maintenance: Re-Zeroing Without Weights



A properly installed K-Weigh™ Intelligent Load Weighing system is designed to work reliably and repeatably over time. However, due to mechanical settling, seasonal temperature changes, or other elevator frame variations, periodic re-zeroing of the system may be necessary. The system has an integrated Auto Reset function, which is designed to receive a signal from the controller to periodically re-zero without any intervention.

If you are not using a signal from the controller, the Auto Reset function should be manually triggered once/month to once/quarter to maintain original settings.

### Instructions:

1. Bring the empty (no weight) car to the lowest landing (usually the lobby).
2. Press the RESET button (Fig 1, at arrow). This will set the amplifier output to 1 VDC ( $\pm 40$  mV) for the empty car.

**NOTE: Weights are not needed for this procedure.**

It is possible for variations in the elevator frame to exceed the capacity of the Auto Reset function. If this occurs, the Red *RECALIBRATE* LED on the board will light, indicating the need to re-zero the amplifier(s).

### Tools Needed

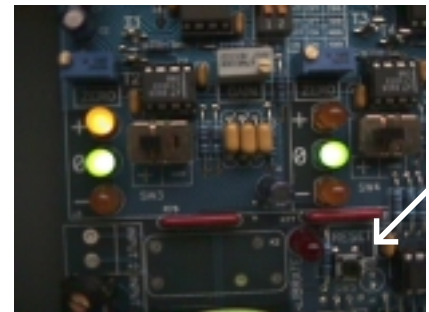
- Small flat-head screwdriver

### Instructions:

1. Bring the empty (no weight) car to the lowest landing (usually the lobby).
2. Adjust the COARSE and FINE pots for Channel A until only the GREEN LED's are lit. The (+) and (-) LED's indicate which way the setting is off from Zero. Turning the pots clockwise increases the setting; counterclockwise decreases. (Fig 1)

This is a sensitive reading – you may see the yellow LED's flicker once set. This is OK.

3. If using two sensors, repeat step 2 for Channel B.
4. Press the RESET button (at arrow). This will set the amplifier output to 1 VDC ( $\pm 40$  mV) for the empty car.



*Fig 1 LED indicators: left amplifier is adjusted high; right is set correctly*

**NOTE: You do NOT need to readjust the Full Car GAIN setting.**

**NOTE: Weights are not needed for this procedure.**

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The included documents have been designed to provide helpful hints, further explanation, and solutions to common product issues. If you are unable to find an answer or a solution within these documents, please feel free to contact K-Tech Customer Service by e-mail at [support@ktechonline.com](mailto:support@ktechonline.com) or by telephone at 1-800-993-9399 or (860) 489-9399 for further assistance.



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