

Jinzon

RV (Motorhome) Leveling Systems

Recreational Vehicles (RVs) have evolved from mere family vacation transportation, into virtual homes-away-from-home on wheels. They are fully equipped with the latest in creature comforts for short trips, lengthy vacations and full timing. Once



the final destination has been reached, it is important that the RV be leveled for safety and functionality.

A number of companies have emerged over the years, which design and manufacture leveling systems. These systems consist of hydraulically actuated jacks positioned near the front and rear corners of the body, a level sensing unit and a display/controller. Models span the range from manual operation, to fully automated systems that level the RV at the touch of a button.



Regardless of overall system complexity, in order to perform the leveling task consistently, it is imperative to accurately measure the attitude of the vehicle. This is achieved using a dual axis tilt sensor, and is a classic application.

Spectron serves this application with the *SP Series Dual Axis Electrolytic Tilt Sensor*. The *SP* sensor meets or exceeds all the application and specification requirements, is very cost competitive and generally performs better than comparably priced devices. The fact that the sensor is hermetically sealed eliminates any fluid leakage concerns. The 5-pin interface facilitates easy mounting/soldering to the host circuit board, while the peripheral conditioning circuitry required is very inexpensive to add to the host circuit board.