

Harvester for Green Peas and Lima Beans

LIMIT
AP 00049



PRODUCT

Harsh-duty epoxy filled HDLS,
E6/V6 enclosed switches

APPLICATION DESCRIPTION

On the combine, HDLS heavy-duty limit switches are used for several functions. One provides foot pedal control for raising the header, and two others protect steering components in extreme leveling conditions. This is important because the machine must be kept level side to side and front to back.

The machine automatically maintains the threshing cylinder in a level condition. The rear axle is free-floating on a center pivot, which normally permits any necessary leveling. On irregular slopes that may at times exceed the sideways leveling capacity, frame parts could contact the tires. Before that happens, the HDLS switches sense the position of the frame and actuates a hydraulic system which raises it.

Finally, two E6/V6 type compact enclosed basic switches in the hopper mechanism detect when the peas or beans have reached a full level and then operate a conveyor system that distributes them more evenly throughout the 2000 lb. capacity hopper.