Granular Hopper Level Sensor

The Hopper Level Sensor is installed in the spreader hopper at a location that gives ample warning that the hopper is almost empty.

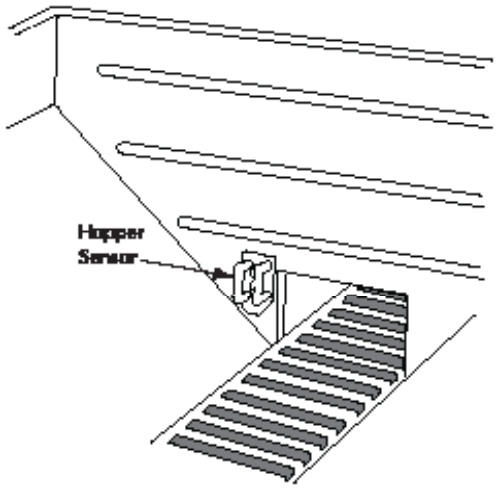
Recommended Sensor Placement :

1. In the direction material flows out of the hopper
2. Desired height at which the sensor triggers low level alarm
3. Sensor location should be at the point where it is uncovered when the desired amount of material is left in the hopper

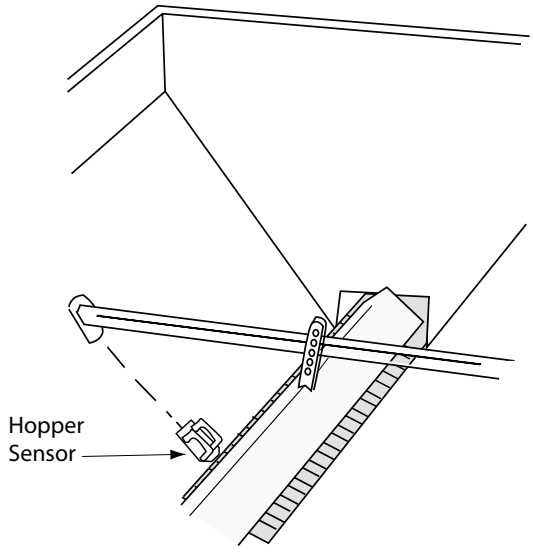
The amount of material left in the hopper when the alarm sounds determines the time between the warning and the hopper being completely empty.

Typical Mounting Locations

Chain Drive V-Box Without Deflector Shield



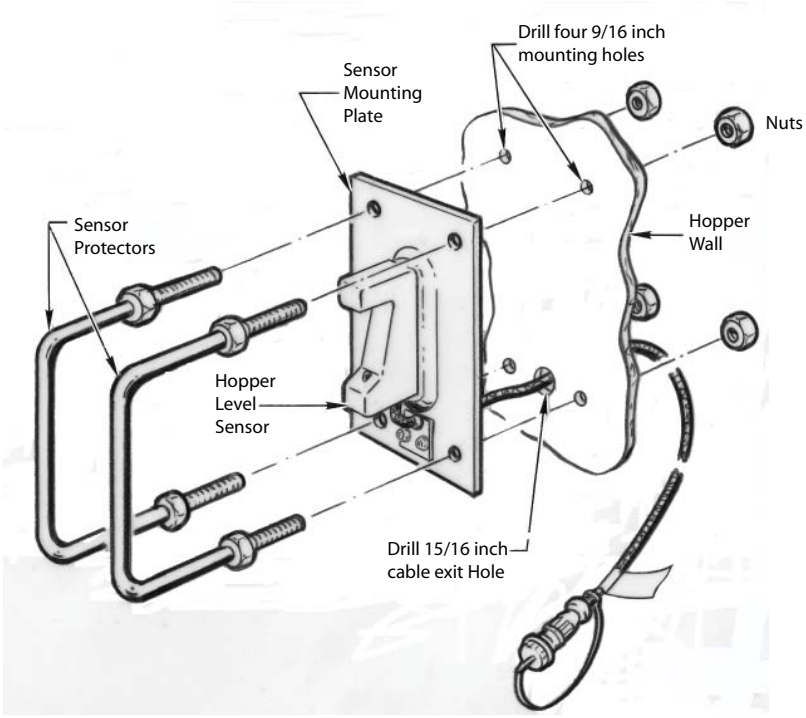
Belt Drive V-Box with Deflector Shield



DICKEY-john CORPORATION

INSTALLATION

For assistance, contact DICKEY-john Technical Support at 1-800-637-3302.



1. Remove the four nuts holding the two U-shaped sensor protectors.
2. Use the mounting plate as a template and mark the location for four 9/16 inch mounting holes in the hopper wall.
3. Mark the location for a 15/16 inch hole for the sensor cable to exit the hopper. The 15/16 inch hole should be located where the sensor cable is centered in the hole when the mounting plate is installed.
4. Drill four 9/16 inch holes where marked.
5. Drill a 15/16 inch hole where marked.
6. Remove all burrs from drilled holes.
7. Route the sensor cable through the 15/16 inch hole and secure the mounting plate to the hopper wall using the U-shaped sensor protectors and nuts removed above.
8. Route the hopper level sensor cable to the console harness location.
9. Connect the sensor cable connector to the console harness connector.
10. Secure the sensor cable using tie wraps.

IMPORTANT: Route the cable to protect from flying debris, sharp edges, moving gears and shafts, and a minimum of 10 inches from hot exhaust systems.