396-001560
Mercury Implement Height Switch for John Deere Rate Controller Item Number 501-1005

SureFire Ag Systems

How it Works

The implement height switch circuit on John Deere rate controllers simply requires a switch to open and close to indicate the implement is raised or lowered. Place the mercury switch on a 3 point arm or wheel frame that changes angle as the implement is raised and lowered. See pictures below for switch orientation in raised and lowered position.

2 Pin WP Shroud Connector

Clamp can be pivoted to adjust switch orientation

Mercury Switch

30' Wire

Magnetic Base

The John Deere Rate Controller requires a height signal to work as a "Liquid Fertilizer Tool" on the GS2/GS3. However, only one switch is required on each implement and multiple rate controllers can share that signal. On a planter, the seed controller has a height switch included on the planter. Therefore, an additional heights switch is NOT needed for a fertilizer rate controller on a planter. However, the SureFire mercury switch will work well if using a John Deere rate controller on an implement for liquid fertilizer application only.
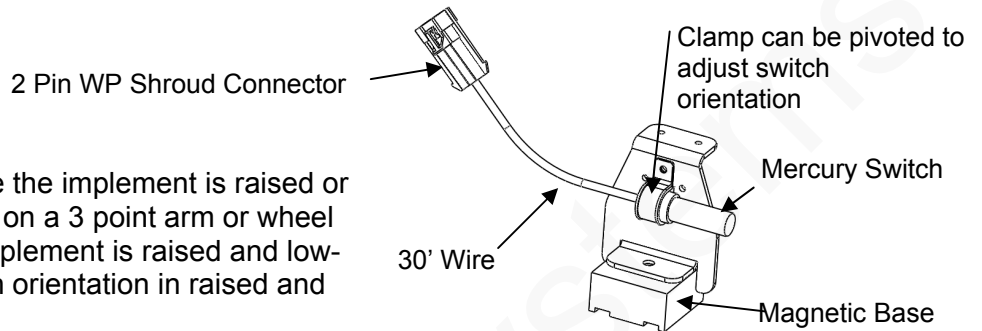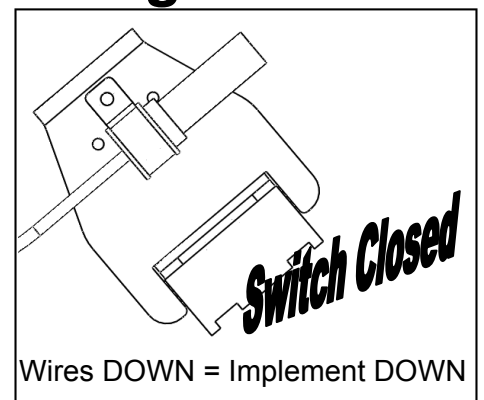
John Deere Rate Controller Height Switch Mounting

Switch Open

Wires UP = Implement UP
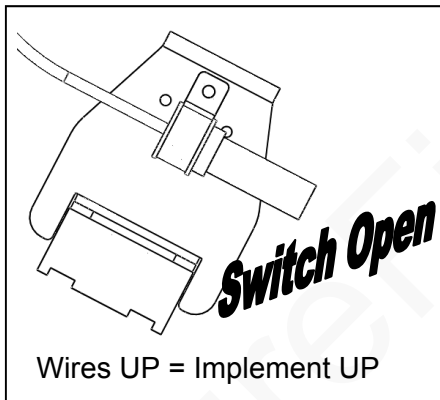
Mount the Run/Hold Switch on:

- 3 point arm if in use
- Wheel Frame or other component that changes angle when the implement lifts.

Switch Closed

Wires DOWN = Implement DOWN

How to Test:

The height switch status is clearly displayed right next to the "Master" switch icon on the GS2/GS3, as shown in the picture.

To test the run / hold mercury switch you will need a volt meter. Set the meter to test continuity (or ohms). With the wires down, you should have continuity between the two pins in the connector. With the wires up, the switch should be open (no continuity).

Master On

Arrow indicates implement up or down.

How to Adjust:

If your controller is turning off product application before or after you want, tilt the switch. If it turns off after you want when lifting the implement, tip more to the UP position. If product application should begin sooner when you lower the implement, tip more to the DOWN position.