

Tech Tip for STEMCO Aeris SmartSense® Customers

Driver Warning Label Code Quick Reference

**SmartSense®
Driver Warning Lamp**

Aeris® SmartSense® Visual Alerts

- Service Alert Icon** – This wheel end took air multiple times.
- Real Time Alert LED**
If Constant – Low Flow Rate
If Flashing – High Flow Rate
If Off – No Flow
- Trip Alert Icon** – This wheel end took air during the trip (resets on power up)
- Signal Icon** – This icon indicates the wireless signal strength from the control box
- Binding Icon** – This indicates that the warning lamp has connected to a control box
- Status Code '0'** – The system is operating properly
- Status Code '1'** – The warning lamp has not communicated with the control box for 15 minutes
- Status Code '2'** – The system senses low inlet pressure (ball valve at control box may be shut of)

DWL Detailed Reference

- On **power up** all lights (*item 2*) on the Driver Warning Light (DWL) will **blink 3 times**.
- Once **communications are established** with the control box the DWL “**Binding Icon**” (*item 5*) will turn on.
- “**Signal Icon**” (*item 4*) will appear above the “Binding Icon” icon and will be updated continuously for the first 10 minutes after each power on for **determining signal strength** from the control box.
- During **normal operation**, the lights will be off and the LCD will read “0” in the system status section (*item 6*). The DWL cannot respond to flow events if we are not in this state.
- If no communication has been received from the control box the LCD will read “1” in the status section (*item 6*) until communications with the control box are established. This can take as long as 2 minutes after a new install, but is typically less than 10 seconds.
- If **no pressure** exists at the control box, the DWL system status (*item 6*) will read “2”.
- On a **low flow event** that has lasted at least 10 seconds the corresponding wheel end light (*item 2*) will **turn on continuously** and the display will show a **yellow persistent block** at that wheel end location indicating flow occurred on this trip (*item 3*). When the flow event goes away the light will turn off but the **yellow block will stay on without power** until the next power up event.
- On a **high flow event** that has lasted at least 10 seconds the corresponding wheel end **light will begin blinking** (*item 2*), and the display will show a **yellow persistent block** (*item 3*) at that wheel end location indicating flow occurred on this trip. When the flow event goes away the light will stop blinking, but the yellow block will stay on without power until the next power up event.
- If the system detects that **repeated or severe flow events** are occurring and the system “**Service Alert Icon**” (*item 1*) will turn on and stay on until the system is repaired. The service alert indicator will clear itself after 1-2 days of good conditions on that wheel end. A STEMCO HandBAT® can also be used to clear the service event manually if desired.

Please contact your STEMCO sales representative with questions or concerns.