

SELECT: LED STATUS AND LOGIC

| LED Status | | Logic |
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| | Solid Green on Lift Battery and Source | Charging State – Source voltage is greater than 13.8 volts. DC/DC converter is on. Tractor or Reefer must be running and alternator good to achieve 13.8 volts. A batteries surface charge cannot reach this value. |
| | | Applies to all charging sources |
| | | Note: The turn on voltage is 13.2 volts after 5 minutes or 13.8 volts immediately. Reason is that if in Dual Pole in Parallel state, the Select input is now connected to liftgate batteries via the dual pole cables. If the liftgate batteries had been charging using the DC/DC converter, then that voltage would be above 13.2 volts so therefore the Select would turn on and continue to charge even if the tractor or Reefer was shut off. |
| COSC INTER BING AS | Solid Green on Source Slow Flashing | Charging State – Tractor or Reefer connected and running. DC/DC converter is operating but the liftgate batteries are defective or below 12.8 volts. |
| | Orange on Lift Battery | Applies to all charging sources |
| THE SEA SE | Solid Green on Lift Battery and Source | Extend State – Source voltage drops below 13.8 volts. DC/DC converter is on for 1 hour. Every two minutes the controller turns off the DC/DC converter so there is no current flow (no voltage drop) and measures the battery voltage on the tractor batteries. If over 12.4 volts, the controller turns on for another two minutes. This will repeat until 60 minutes has expired or the voltage drops below 12.4 volts for 30 seconds. The Select will then look for next available source. |
| | | Note: Reefer extend period is .5 hours |
| THE REAL PLANTS | Dual Pole or Reefer in Parallel Mode | Extend State – If tractor dual pole is uncoupled, reefer turns off or voltage drops below 12.6 volts (dual pole coupled, but engine off). Then it will extend for approx. 2 minutes and turn off. If voltage at dual pole does not drop below 12.6 volts, then extend time will be longer. |
| | Solid Green on Lift Battery and Source | |
| ANNETS ANN SILIT AS | No Source LED Lift Battery LED Slow Flashing Green | Static State – No tractor connected to the trailer and the liftgate batteries are more than 12.4 volts. |



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| CANCELL STATE OF THE STATE OF T | No Source LED Lift Battery LED Slow Flashing Orange | Static State – No tractor connected to the trailer and the liftgate batteries are less than 12.4 volts. |
| | Slow Flashing Green on Lift Battery and Source | Off State – Source voltage below 13.8 volts and extend period is over. Voltage at the lift batteries and the source is above 12.4 volts. Voltage at source must achieve 13.2 volts to go into Charging State. Applies to all charging sources |
| THEN NOTE SHIP AS | Slow Flashing Orange on Lift Battery and Source | Off State (Low Voltage) – Lift battery and source voltage below 12.4 volts. DC/DC converter is off. Voltage at source must achieve 13.8 volts to go into Charging State. Applies to all charging sources |
| THE RIPE AND AS | Rapid Flashing Orange on Lift Battery and/or Source | Off State (Fault) – Blown ground fuse if flashing on lift battery and blown source fuse if flashing on source. Note: Fuses are located inside control box on nose of trailer. |
| THE RIPE AND | No LED | Off State (Fault) – Open circuit in lift battery or source circuit. This could also be caused by the liftgate battery voltage being below 6 volts. |
| CONTROL OFFE BEET AN | AND SERVICE AND SE | Excessive Voltage Drop – Tractor or Reefer is running and the voltage is above 13.8 volts. The controller turns on the DC/DC converter and current starts to flow. If the voltage drops below 10.5 volts, the controller will tell the DC/DC converter to turn off. What the operator will see is the Source and Lift Battery go Solid Green. Then both LEDs will toggle orange for a few seconds. The cycle then repeats. NOTE: Low voltage shut off in the 1st 5 minutes is 9.5 volts. |
| TOPACT TOPACT | Blue LEDs | When the module receives power the lights will turn blue, indicating the start-up sequence. This occurs when voltage over 6 volts is applied to the controller. If the controller drops below 6 volts, the controller will turn off and will not power back on until the voltage rises above 7 volts. If the blue LEDs stay lit, charge and test the liftgate batteries. |