

Rostra SDS Operating Procedure

Forward, Left and Right Zones

- Turn the Ignition Switch to the **ON** position.
- The SDS Display shown at right will perform a series of self-diagnostic tests, indicated by chasing **RED** and **GREEN** indicators, and 10 audible beeps. If after the first 10 seconds the Display continues to flash any indicators and sound any beeps, the system has found a problem with itself and the maintenance technician should be informed as soon as possible.
- At the designated loading or unloading stop, turn the Master Flasher Switch (State Lights) to the **ON** position.
- The **GREEN** indicators, labeled “**CLEAR**”, illuminate immediately for the Front Tire, Rear Tire, and Exit Side Systems. The Front System **GREEN** indicators will illuminate after a four second delay to allow the crossing gate to reach the full open position.
- If a **RED** indicator, labeled “**INTRUSION**”, flashes for any zone, do not move the Bus until visually confirming the affected zone(s) are clear of an obstruction. When a moving obstacle is detected in the danger zone, the Display will alarm a single beep, and the **RED** indicator for the affected zone(s) will flash for 5 seconds, if the system detects another intrusion during those 5 seconds the system will continue to alarm. If after 5 seconds no “**INTRUSION**” is detected the system will reset itself and illuminate the **GREEN** “**CLEAR**” indicator.
- The Front System will automatically become inactive when the Master Flasher Switch is turned to the **OFF** position. The Front Tire, Rear Tire, and Exit Side Systems will become inactive following a 4-second delay.
- Once the 4-second delay has expired and provided no “**INTRUSION**” (**RED**) indicators were illuminated during the delay, it is safe to proceed to the next designated stop.
- The beeping alarm volume can be adjusted by adjusting the shutter on the back of the Display.



SDS Display

Rostra RearSentry™ Operating Procedure Rear Bumper Zone

- Turn the ignition switch to the **ON** position.
- With the brake pedal engaged, place the vehicle in REVERSE gear. This will power **ON** the RearSentry™ system.
- Once the system is ON, the **GREEN** indicator, labeled “**SYSTEM ON**”, will be illuminated indicating that the system is operational.
- If an obstacle is in the path of a backing vehicle, the **AMBER** indicator, labeled “**PREPARE TO STOP**”, will be illuminated warning the driver that an obstacle is in the path of the bus. The driver must **PREPARE TO STOP**.
- If the vehicle continues in reverse gear and is in close range of the obstacle, the **RED** indicator, labeled “**STOP**” will be illuminated warning the driver to **STOP** immediately. The driver **MUST STOP** to avoid contact with the obstacle. Contact with the obstacle may result in property damage, injury or death.

Testing the Rostra SDS and RearSentry™

Rostra SDS

- Turn the Ignition Switch to the **ON** position.
- Turn the Master Flasher Switch to the **ON** position. The **GREEN** indicators, labeled “**CLEAR**” illuminates immediately for the Front Tire, Rear Tire, and Exit Side Systems. The Front System **GREEN** indicators, labeled “**CLEAR**” will display after a four second delay to allow the gate to reach the full open position. At the conclusion of this step all 7 **GREEN** indicators should be illuminated. Walk around the bus and visually verify that all 8 sensors are in place and free of damage.

RearSentry™

- The RearSentry™ indicators will display with the bus in reverse gear. The RearSentry™ operation can be verified by moving the bus in reverse towards a known object. Observe the **AMBER** indicator, labeled “**PREPARE TO STOP**” and **RED** indicator labeled “**STOP**” for proper range detection. If any of the 3 indicators were not functional, contact the maintenance technician.
NOTE: RearSentry system is only operational when the bus is in reverse gear.