

"MOBILEYE® SHIELD+™ V4 w/ APAS" OPERATOR REFERENCE



LEFT SIDE DISPLAY w/ APAS*

- OFF**
 - No illumination.
 - No pedestrian or cyclist threat on left side of moving bus.
 - With pedestrian / bicyclist in proximity of moving bus the external audio message is 'Caution Bys Approaching'.
- DETECTION**
 - Yellow solid illumination with no sound.
 - Informs the operator a pedestrian or cyclist has been detected near the left front or left side of bus.
 - Operator should exercise additional caution until verifying that the danger of collision has passed.
- ALERT**
 - Red flashing with beeping sound.
 - Informs the operator a pedestrian or cyclist has been detected in the left front or left side of bus and collision is imminent.
 - Operator should take action to carefully stop bus to avoid collision.

*Advanced Pedestrian Alert System

RIGHT SIDE DISPLAY w/ APAS*

- OFF**
 - No illumination.
 - No pedestrian or cyclist threat on right side of moving bus.
 - With pedestrian / bicyclist in proximity of moving bus the external audio message is 'Caution Bus Approaching'.
- DETECTION**
 - Yellow illumination with no sound.
 - Informs the operator a pedestrian or cyclist has been detected near the right side of bus.
 - Operator should exercise additional caution until verifying that the danger of collision has passed.
- ALERT**
 - Red flash with beeping sound and external audio message of 'Danger Step Back'.
 - Informs the operator a pedestrian or cyclist has been detected on the right side of bus and collision is imminent.
 - Operator should take action to carefully stop bus to avoid collision.

*Advanced Pedestrian Alert System

CENTER DISPLAY & EYEWATCH

- DETECTION**
 - Contains the Pedestrian Display and EyeWatch.
 - The EyeWatch readouts and explanations can be found below on this document.
 - No pedestrian or cyclist threat in front of moving bus.
 - Illuminated green LED indicates system operational.
- DETECTION**
 - Yellow illumination with no sound.
 - Indicates a pedestrian or cyclist is in front of the moving bus or coming towards the moving bus.
 - Operator should exercise additional caution until verifying that the danger of collision has passed.
 - Illuminated green LED indicates system operational.
- ALERT**
 - Red flashing with beeping sound.
 - Indicates a pedestrian or cyclist is in front of the moving bus or coming towards the moving bus and collision is imminent.
 - Operator should take action to carefully stop bus to avoid collision.
 - Illuminated green LED indicates system operational.

EYEWATCH READOUTS FOR VEHICLE DETECTION ONLY

<ul style="list-style-type: none"> Solid yellow lines. System is operational with bus at 0 speed. Illuminated green LED in center display indicates system operational (See Center Display and EyeWatch). 	<ul style="list-style-type: none"> Speed Limit Indicator (SLI) Appears when the bus is traveling at least 5 MPH (adjustable) over the last posted speed limit sign. Two vertical white hash lines on each side of the EyeWatch will appear with a white number indicating miles over the last posted speed limit. Operator should reduce speed to keep within the speed limit. 	<ul style="list-style-type: none"> Headway Monitoring (HMW) Appears as green car. Indicates detection of a vehicle in the path of the bus. No number shown if bus is traveling a safe distance behind the vehicle in front or when bus is traveling below 19 MPH. 	<ul style="list-style-type: none"> Headway Monitoring (HMW) Appears as green car and number. Indicates how far the vehicle in front of the bus is in seconds. The 2.5 indicates the seconds until a collision could occur if the front vehicle were to come to a stop. Operator is advised to reduce speed if time to collision falls below preset seconds and car turns red. Has a chime sound (optional). 	<ul style="list-style-type: none"> Headway Monitoring Warning (HMW). Appears as a red car with an audible chime. Indicates the distance between bus and vehicle in front has fallen below a safe threshold. Operator is advised to reduce speed to increase distance to a safe level. 	<ul style="list-style-type: none"> Urban Forward Collision Warning (UFCW) Virtual bumper set as follows: <ul style="list-style-type: none"> Without bicycle rack - 39" (1m) With bicycle rack - 78" (2m) Visual and audio chime when approaching stopped vehicle. Active at 0.6mph. 	<ul style="list-style-type: none"> Forward Collision Warning (FCW) Appears as flashing red car with a high pitched beeping sound. Indicates rear end collision is imminent. Operator must stop the bus immediately.

T: 718.408.7388

Note: Pedestrian and cyclist detection requires minimum low light of 15 LUX.

WWW.ROSCO-BUS.COM