

# Rail System 4000 Component Specifications

## RS4000 24VDC Panel---Part # 40500

Input Power Requirements: 24 VDC +/- 2 VDC

## RS4000 127-150VAC Panel---Part # 40504

Input Power Requirements: 127 to 150VAC +/- 2 VAC

Sensor Power Output: +12 VDC & -12 VDC

Servo Power Output: 24 VDC

Lightbar Power Output: 12 VDC

Dimensions: Weight: 14 lbs (6.35kg), Height: 6.38" (16.2cm), Width: 11.5" (29.2cm),  
Length: 13.75" (34.9cm)

Note: The updated RS4000 Panels are not backward compatible with the late model Sensor or Lightbar. If you replace a late model Panel with the updated RS4000 Panel, you must also replace your late model Sensor and Lightbar. **WARNING: Using a Halogen Lightbar with the 40500 or 40504 Panel can result in catastrophic damage to the panel.**

## RS4000 Lightbar---Part # 40510

Input Power Requirements: 12 VDC (supplied by the Panel)

Dimensions: Weight: 21.5 lbs (9.75kg), Height: 3.5" (8.9cm), Width: 6.75" (17.1cm),  
Length: 60.25" (153cm)

Note: The updated RS4000 Lightbar is compatible with the late model panels. The updated 40510 Lightbar is required for use with the 40500 Panel.

## RS4000 Sensor---Part # 40520

Input Power Requirements: +12 VDC & -12VDC (supplied by the panel)

Center Range: .25" (6.4mm) from center

Sensor Detecting Range: 20' to 2000' + (6m to 610m)\*

Dimensions: Weight: 10.75 lbs (4.88kg), Height: 3.25" (8.2cm), Width:  
11.25" (28.5cm), Length: 6.75" (17.1cm)

Note: The updated RS4000 Sensor is not backward compatible with the late model Panel. If you replace a late model Sensor with the updated 40520 Sensor, you must also replace your late model Panel and Lightbar. **\*Sensor Detection Range is affected by multiple environmental conditions and may vary.**

## RS4000 Laser/Cannon---Part # 40530 & 40533

Input Power Requirements: 12 VDC +/- 2 VDC

Beam Deflection: 1% from center or 1' per 100' (1m per 100m)

Minimum Output Power: 1.8 mW on SP401 meter

Beam Size: .8" at 20' (20mm at 6m) 2"-4" at 2000' (50-100mm at 610m)

Focal Distance: 300' (91m)

Sweep Rate: 10-15 pulses per second

Dimensions: Weight: 9.25 lbs. (4.2kg), Height: 6" (15.2cm), Width 3"  
(7.6cm), Length: 26.5" (67.3cm)