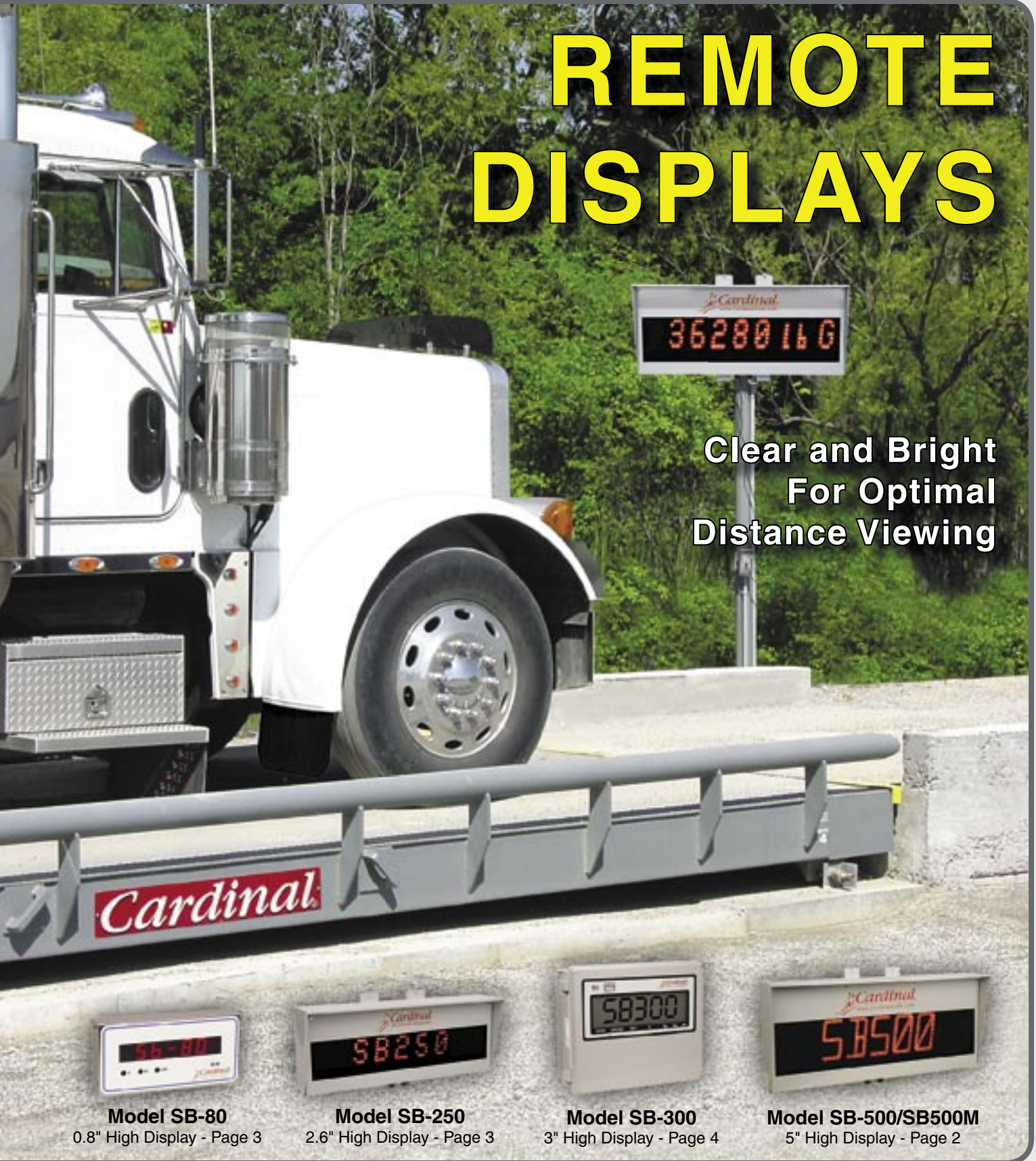# Cardinal®

REMOTE DISPLAYS

**Clear and Bright
For Optimal
Distance Viewing**

36280 16 G

Model SB-80
0.8" High Display - Page 3

Model SB-250
2.6" High Display - Page 3

Model SB-300
3" High Display - Page 4

Model SB-500/SB500M
5" High Display - Page 2

SB-500 Remote Display

Serial, Fiber Optic or Ethernet Connectivity

- 5" (127 mm) high intensity LED display
- 10 levels of brightness
- Message board standard with SB-500M
- Cardinal's own *Smart Configuration* software allows custom formats
- Autolearn mode allowing plug-and-play with virtually any digital indicator
- NEMA 4/IP65 weatherproof enclosure
- Built-in rain hood
- Mounting tabs for easy installation

Cardinal's giant SB-500 and SB-500M remote displays are clearly visible for highway applications and flexible enough for use indoors or out. Their 5" (127 mm) high-intensity LED displays are viewable in direct sunlight with a viewing angle of 140°. These units feature ten levels of display intensity which adjust automatically via an ambient light sensor, ensuring readability both day and night. The painted mild steel, weatherproof enclosures meet NEMA 4/IP65 requirements and incorporate tabs for mounting on a vertical surface. The built-in rain hoods provide extra protection and greater visibility during inclement weather. Daisy chain multiple units together for increased visibility.

SB-500

The SB-500 utilizes Cardinal's autolearn mode allowing the remote display to plug and play with virtually any digital indicator via standard RS-232 connection, 20mA, RS422/485. Alpha display of units makes the SB-500 easy to read, without confusing status lamps.

SB-500M

The SB-500M employs **message board capabilities** for directing vehicles on and off the scale or simply displaying scrolling messages. With custom configuration, the SB-500M can display moving and static alpha characters, and each digit consists of up to 24 segments for greater readability.
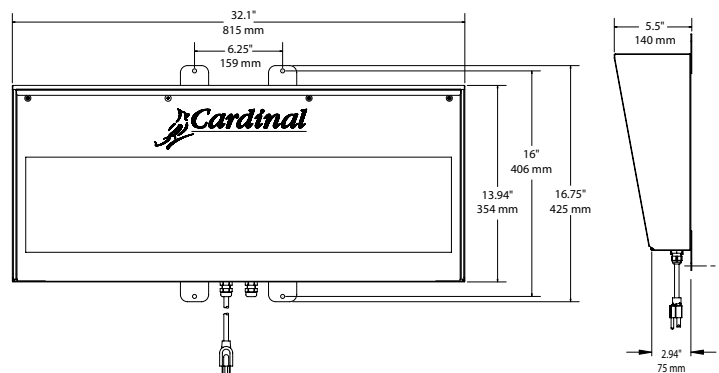
SB-500S

Choose Cardinal's SB-500S, with **stainless steel enclosure,** for corrosion-free protection that stands up to rugged use in harsh environments.

Cardinal's proprietary *Smart Configuration* software allows a custom configuration through the upload of serial data. Custom design the SB-500M and SB-250 to display messages directly from a programmable indicator or PC.

32.1"
815 mm

6.25"
159 mm

5.5"
140 mm

16"
406 mm

13.94"
354 mm

16.75"
425 mm

2.94"
75 mm

SB-250 Remote Display

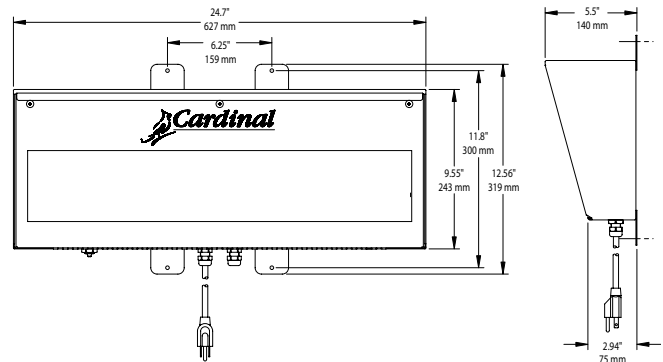The SB-250 employs many of the same features of the SB-500, but in a smaller package. Message board capabilities are standard with all SB-250s and feature digits 2.6 inches high consisting of an array of nine 5 x 7 alphanumeric characters for crisp, clean readouts of upper and lower case letter messages.

Character Height	2.6" / 66 mm
Character Type	5 x 7 with descenders and decimal points
Annunciators	lb, kg, T, t, G, N (if output from indicator)
Ambient Light Levels	total darkness to direct sun
Power Input	115/230 VAC 50/60 Hz
Power Consumption	60 watts, maximum
Interface	20mA - active or passive, RS-232, RS-422, RS-485 fiber optic, ethernet
Display Capacity	-99999 to 999999
Enclosure Rating	NEMA 4/IP65
Enclosure	painted mild steel
Viewing Angle	+/- 70°
Viewing Range	200' / 61 m
Ambient Temperature	-15° to +130° F (-26° to 54° C)
Character Format	all standard printable ASCII characters

- **2.6" (66 mm) high intensity LED display**
- **10 levels of brightness**
- **Message board standard**
- **Cardinal's own *Smart Configuration* software allows custom formats**
- **Connect via serial, fiber optic, or ethernet to your digital indicator**

Dimensions: 24.7" / 627 mm, 6.25" / 159 mm, 11.8" / 300 mm, 9.55" / 243 mm, 12.56" / 319 mm, 5.5" / 140 mm, 2.94" / 75 mm
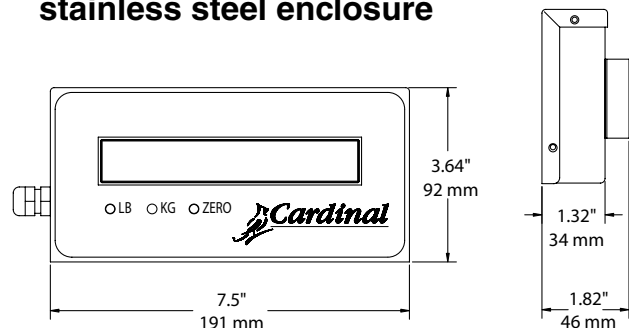

SB-80 Remote Display

Cardinal's SB-80 features a 0.8" high LED display, viewing range of 20 feet, AC adapter (included), and combination of desk and wall-mount stainless steel enclosure. For indoor use only, this unit is perfect for warehouse floor scales. It requires a two-wire connection to the indicator, with a maximum distance of 25 feet from the indicator for RS232 and 1,000 feet for a 20mA current loop.

Display	0.8" / 20 mm high LED, 7 digits (6 for weight, 1 for minus sign)
Power	12 VDC, 300mA adapter (115 VAC, 60 Hz adapter)
Annunciators	lb, kg, ZERO
Interface	20mA current loop, RS-232
Display Capacity	-999999 to 999999
Enclosure	stainless steel
Viewing Range	20' / 6 m

- **6-digit, 0.8" high LED display**
- **Displays remote readout and tracks digital weight indicator**
- **Viewing range of 20 feet / 6 meters**
- **Combination desk and wall-mount stainless steel enclosure**

Dimensions: 3.64" / 92 mm, 7.5" / 191 mm, 1.32" / 34 mm, 1.82" / 46 mm

SB-300 Remote Display

Cardinal's SB-300 features a 3" (76 mm) high backlit LCD display and tough fiberglass NEMA 4 enclosure making it ideal for operations where weight must be read from a distance or even at night. The durable weatherproof fiberglass prohibits corrosion in abusive environments.

This remote display has been specially designed to be linked or daisy-chained to other displays which allows multiple weight data to be viewed while being powered by a single weight display.

- **3" (76 mm) high numerals**
- **Transflective LCD display**
- **Automatic backlighting**
- **Tough fiberglass NEMA 4 enclosure**
- **Highly visible in ALL lighting**
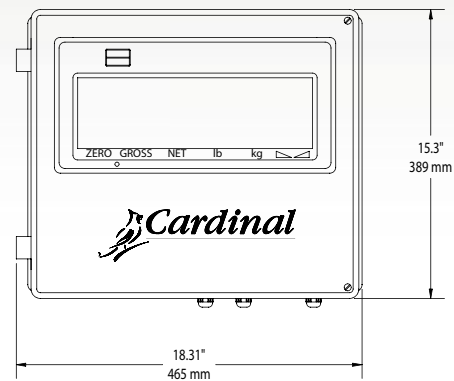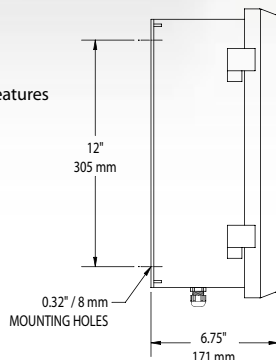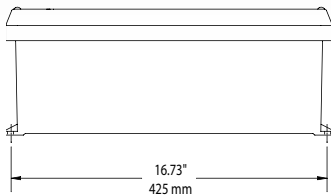- **Daisy chain multiple units to one indicator**

Durable, weatherproof fiberglass prohibits corrosion in abusive environments.

3" high transflective display can be seen day or night... even at a distance!

Automatic backlighting activates LCD lamps only when needed.

Cardinal Scale reserves the right to improve, enhance or modify features and specifications without prior notice.

16.73" / 425 mm

12" / 305 mm
0.32" / 8 mm MOUNTING HOLES
6.75" / 171 mm

15.3" / 389 mm
18.31" / 465 mm

ZERO GROSS NET lb kg

Cardinal

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