SB555

Remote Display with Traffic Light and Mirroring

www.CardinalScale.com

- 5-inch (12.7 cm) high-intensity dual-row LED remote display with red and green traffic lights.

- Supports linked Multiple Displays for viewing multiple axles and total weight simultaneously by setting a different communication address in each display.

- Mirror Feature that mirrors the display every five (5) seconds allowing the weight to be seen in vehicle mirrors when leaving the scale.

- 8 serial data formats including the SB500 with Traffic Light (default setting) and the Beltway Integrator.

- When the host is a Beltway Integrator or an indicator with the serial format set to Beltway Integrator, the SB555 allows a user-selectable number of digits to be displayed in the data string.

- Supports 20mA current loop communications with both current and legacy Cardinal Indicators.

- Supports 2400~19,200 baud rate and three data format settings (8, None, 1), (7, Odd, 1), and (7, Even, 1).

- On-board intensity sensor that automatically adjusts to ambient light (total darkness to direct sunlight).

- Viewing range of up to 250 feet (76 meters) and a viewing angle of +/- 70 degrees.

SPECIFICATIONS	
Character Height	5 inch (12.7 cm)
Display Type	High-intensity dual-row LED with red and green traffic light
Number of Characters	7-segment, 6 digits with decimal points
Annunciators	Units (lb, kg), Mode (G, N)
Ambient Light Levels	Total darkness to direct sunlight
Display Capacity	-99,999 to 999,999
Viewing Range	Up to 250 Feet (76 Meters)
Viewing Angle	+/- 70 degrees
Data Input	RS-232, RS-485, 20mA Current Loop
Data Format	8N1, 7E1, 7O1 Selectable
Baud Rates	2400 bps to 19,200 bps selectable (NOTE: 20mA Current Loop is limited to 9600 bps)
Protocols	7 selectable communication protocols (SMA, SB-400, SB-200, Rice Lake IQ355, Toledo Long and Short, SB500 (with traffic light), and Beltway Integrator)
Data Cable Length	16-foot (4.9 m) terminated with a DB9
Enclosure Type	Painted Mild Steel, Weatherproof IP65-rated
Power Requirements	115 to 230V AC, 50/60 Hz
Power Consumption	100 mA at 120V AC (12 watts)
Power Cord Length	8 ft (2.4 m) with US type B plug (3-Pin Grounded)
Operating Temperature	-5 to +160 °F (-20 to +70 °C)
Product Dimensions	36.6 in W x 4.75 in D x 10.6 in H [14.25 in H w/mounting flanges] (93 cm W x 12 cm D x 27 cm H [36 cm H w/mounting flanges])

Ambient Light Sensor

Communication Interface Cable

Communication Cable Standby Port

Access Panel

AC Power

Waterproof Vent Valve

cardinalscale.com   cardinal@cardet.com   800-441-4237   Webb City, MO USA