



## SBL-2

**The highly visible series of outdoor displays are designed for harsh commercial applications.** The high intensity LED's are designed to last 100,000 hours and offer a wide viewing angle that can be read in direct sunlight and are maintenance-free. The ruggedly designed NEMA 4 case and the internal lightning protection circuitry ensure you many years of reliable operation.

2" Digit Height  
NEMA 4 Case  
2-Year Warranty

**matko**  
ELECTRONIC DISPLAYS

1-800-814-4053  
[www.matko.com](http://www.matko.com)

# SBL Specifications



## Description:

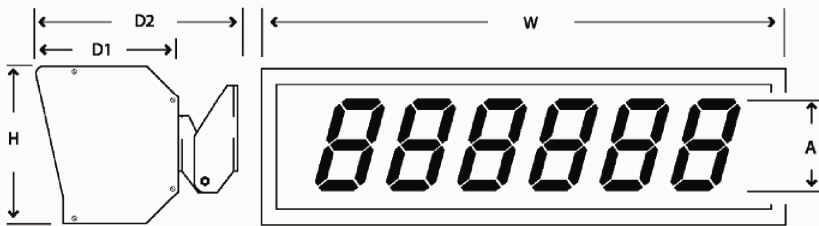
- Long life LED technology (100,000 hour) viewable in direct sunlight
- No moveable parts = no maintenance
- Internal lightning protection
- "Auto-Learn" feature automatically configures to any data stream
- Swivel mounting bracket (mounts to uneven surfaces and poles)
- Integrated hood
- Maximum decimal displayed .000
- Integrated Data repeater / converter
- Field selectable software options for custom applications
- 2-year warranty against manufacturing defects

## Software Options:

- Decodes Toledo / Fairbanks Data Streams
- Fixed Decimal Points
- Leading Zero Suppression
- Display Alphanumeric Characters
- Mirror Display for Reverse Viewing
- Individually Addressable
- Minimum Number to Display
- Maximum Number to Display
- Display on Demand

## Electrical Specs:

110 / 240 VAC @.22 Amp 50/60 Hz  
12 or 24VDC @2 Amp



## Data Inputs:

- RS232 (50' max)
- 20ma Current Loop (2000' max)  
(Active or Passive)
- RS422 (4000' max)

## Protocol:

- 8 Data Bits, no Parity
- 7 Data Bits, odd or even Parity

## Baud Rates:

300 to 19200

## Echo Data Outputs:

- 20 Ma Current Loop
- RS232
- RS422

## Enclosure:

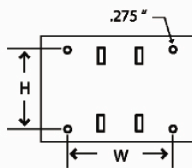
Aluminum Extruded Case  
NEMA 4 / IP56

## Options:

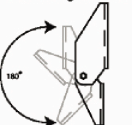
- 12 or 24 VDC
- UL Approved Version
- LB / KG Annunciators
- Red / Green Traffic Lights
- Stainless Steel Enclosure
- Polypropelene Enclosure
- Wireless Interface (up to 20 mile line-of-sight)
- 4-20 mA Input

MODEL	A	W	X	H	X	D1	D2	Shipping Weight
SBL-2	2"	12.25		4.75		5.625	8.375	8 lbs.
SBL-4	4"	25.5		7.375		6.625	9.375	20 lbs.
SBL4-SG	4"	30		7.375		6.625	9.375	22 lbs.
SBL-6	6"	34.25		10.25		6.625	9.375	31 lbs.
SBL-6SG	6"	38.75		10.25		6.625	9.375	33 lbs.

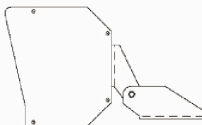
MODEL	Viewing Distances (Ft.)			Mounting Dimensions	
	Minimum	Optimum	Maximum	W	H
SBL-2	2'	5-25'	75'	4"	3"
SBL-4	10'	20-100'	150'	4"	3"
SBL4-SG	10'	20-100'	150'	4"	3"
SBL-6	15'	50-200'	250'	8"	3"
SBL-6SG	15'	50-200'	250'	8"	3"



Mounting Bracket



Roof Mount



Wall Mount



Under Mount

