**Technical Specifications**

**STR Series Outdoor LED Blank-out Signs**

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| **Description** | Outdoor/indoor blank-out signs with an IP55/NEMA 3RX cabinet, narrow-angle LEDs, and contrasting black face. The sign message is formed by visible LEDs that illuminate when activated and blank-out when deactivated.  |
| **Illumination** | Narrow viewing angle LEDs (30° cone, 15° from axis)Optional: Wide viewing angle LEDs (120° cone, 60° from axis) |
| **LED Message Colors** | Red, Amber, Green, Blue, and White |
| **LED Color/Brightness** | **LED Color (Typ. λ/Temp)** | **Viewing Angle: Narrow****(mcd, typ.)** | **Viewing Angle: Wide****(mcd, typ.)** |
| Red (625nm) | 3750 | 660 |
| Amber (589nm) | 3900 | 780 |
| Green (525nm) | 7500 | 1200 |
| Blue (470nm) | 1500 | 210 |
| White (5500K-6500K) | 4350 | 1375 |
| **Automatic Photo-Dimming** | Integrated, ambient IR sensors on the sign board allow for automatic, gradual adjustment of LED output levels.  |
| **Message Face** | Black message face and protective 0.125” smoked, matte, impact-modified acrylic panel. Message illuminates when on and blanks out (disappears) when off.  |
| **Control** | Switch, Signal-Tech Sign Control Software, or external relay |
| **Electrical** | Input voltage: 120-277VAC or optional 12-24VDCUL/cUL Listed for wet locations |
| **Power Supply** | Typical power supply efficiency @120VAC (50% rated load): 81%The power supply shall not be loaded beyond its rated safe operating area.Power supply redundancy is available upon request. |
| **Internal Wiring** | Internal wiring shall use drip loops. All connections made to sign during installation shall conform to the National Electrical Code and local code |
| **Cabinet Construction**  | **Body**: One-piece, hollow-profile extruded aluminum frame with a 0.090” wall thicknessThe extrusion bends to the sign size and each end is secured together by an interlocking extrusion and screws, holding captive the display board and face material**Face**: 0.125” smoked, matte, impact-modified acrylic panel |
| **Lifting Hardware** | When needed, multiple galvanized steel lifting eyebolts may be mounted to the top of the cabinet (by others) |
| **Cabinet Depth** | Single Face Only: 6” |
| **Cabinet Finish** | Standard: Electrostatically applied Quaker Macroflex black coatingOptions: Custom paint colors or color-matched paint |
| **Cabinet Interior (physical)** | Conformal coated circuit board and power supplies, moisture-absorbent interior coating, weep holes for drainage, sealed/closed-end fasteners used for optional, installed mounting interfaces |
| **Back Panel** | The back of the sign is formed from 0.125” aluminum sheeting and attached to the sign frame with either a piano hinge or our standard Lift’n Shift method. For span wire mounting, the back is attached by a riveted piano hinge down one side and sealed using two toolless compression locks along the opposing side. For surface mounting, use our standard Lift’N Shift construction where a lip is nestled along a specific rib within the frame extrusion and is secured by Phillips head screws on the bottom and/or sides of the frame. |
| **Mounting** | Lift’N Shift sign back offers built-in wall mountingAdditional mounting can be purchased separately: SkyBracket Mast Arm Mounting Assembly, SkyBracket Span-Wire Mounting Assembly |
| **Temperature and Humidity Ratings** | The Cabinet and sign components shall operate in the following temperature and humidity conditions: * Operational & storage temperature range: -40°F to +165°F
* Humidity range: 0% to 99% (non-condensing)
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| **IP/NEMA Rating** | IP55/NEMA 3RX |
| **Accessories/Options** | Audible Alarm, Flashing, Hood/Visor |
| **Warranty** | 5 Years |
| **Engineered and Assembled** | USA |