**DOT Series LED Blank-out Sign in IP66/NEMA 4X Cabinet**

Outdoor/indoor blank-out signs with an IP66/NEMA 4X 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.

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| **Electrical** | *Standard configuration* | *Notes* |
| **Input voltage** | 100-240VAC | Optional: 9-24VDC |
| **Control type** | Switch or external relay |  |
| **Number of inputs** | One input (Line or +) per message  One common (Neutral or -)  One Earth Ground |  |
| **Input connection type** | Stripped end, 18AWG wire | Options available (below) |
| **Load type** | Capacitive | Components in a system designed to control resistive loads (e.g., an incandescent lamp) may not be suitable. |
| **Power supply efficiency**  *(@120VAC, 50% rated load)* | 81% | Power supply shall not be loaded beyond its rated safe operating area |
| **Surge protection** | None | Optional: DIN Rail mounted surge protectors |
| **Power supply configuration** | Non-redundant | Optional: Redundant power supplies |
| **UL/cUL Listed** | Yes (for wet locations) |  |
| **Physical/Environmental** | *Standard configuration* | *Notes* |
| **IP/NEMA rating** | IP66/NEMA 4X | All in-field modifications/conduit entry points must be properly sealed |
| **Temperature and Humidity**  *(storage and operation)* | -40°F to +165°F  0% to 99% (non-condensing) |  |
| **Face material** | 0.125” thick, tinted, matte, impact-modified acrylic |  |
| **Cabinet construction** | 0.125” thick 6063-T6 aluminum alloy extruded cabinet with welded seams, stainless steel hardware and hinged face(s).  All exterior seams shall be continuous MIG welded to form a single structure.  The hinged face(s) shall be attached to cabinet using a full-length extruded hinge.  The cabinet face is flanged on all sides to shed water.  The door closes around its flanged frame and is compressed against a closed-cell silicone gasket. |  |
| **Cabinet depth** | Single-faced: 6.50” |  |
| **Cabinet finish** | Powder-coated black |  |
| **Cabinet interior** | Conformal coated circuit board, NEMA 4X breather drain (for atmospheric pressure equalization), sealed/closed-end fasteners used for all bolt-on mounting. |  |
| **Mounting** | Two horizontal rows of M8x1.25 sealed Rivnuts; Rows are centered and spaced apart ⅔x the sign’s height (spacing, quantity, and number of rows may vary) | Options available (below) |

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| **Visual/Illumination** | *Standard configuration* | *Notes* | |
| **LED drive current** | 15mA per string | String length varies per color | |
| **Automatic Photodimming** | Single photocell, IR-sensitive, gradual brightness adjustment | Optional: Redundant photocells | |
| **Message flashing** | Adjustable speed/pattern, set from factory | OFF by default | |
| **Message face** | Black message board protected by tinted, matte (glare-reducing) window | See *Physical/Environmental* for face construction | |
| **LED viewing angle** | Narrow 30° cone (15° from center axis) | Optional: Wide-angle 120° cone | |
| **LED brightness (mcd, typ.)** | | | |
| **Color** *(typ. wavelength/temperature)* | **Narrow-angle** | **Wide-angle** | |
| **Red** *(625nm)* | 3750 | 660 | |
| **Amber** *(589nm)* | 3900 | 780 | |
| **Green** *(525nm)* | 7500 | 1200 | |
| **Blue** *(470nm)* | 1500 | 210 | |
| **White** *(5500K-6500K)* | 4350 | 1375 | |
| **Options** | | |  |
| **Input voltage** | 9-24VDC | |  |
| **Input connection type** | Stripped end, 18AWG wire | |  |
| Tool-actuated terminal blocks (DIN rail) | |  |
| Lever-actuated terminals (DIN rail) | |  |
| **Surge protection** | None | |  |
| 20kA DIN rail mounted surge protectors | |  |
| **Power supply configuration** | Single | |  |
| Redundant (at least two per message) | |  |
| **Hood/Visor** | None | |  |
| 6” depth (from face) | |  |
| **Mounting** | Rivnut array | |  |
| C-Channel (bolt-on) | |  |
| Mounting tabs | |  |
| SkyBracket mast arm mount (vertical or horizontal) | |  |
| Skybracket top/bottom elbow mount (with locking, serrated ring) | |  |
| Integrated locking, serrated ring (top and bottom) | |  |
| **Photocells** | Single | |  |
| Redundant (x3) | |  |
| **Message flashing** | None (adjustable on photodimmer board) | |  |
| Custom (pre-set from factory) | |  |
| **LED viewing angle** | Narrow 30° cone (15° from center axis) | |  |
| Wide 120° cone (60° from center axis) | |  |