**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)  |  |