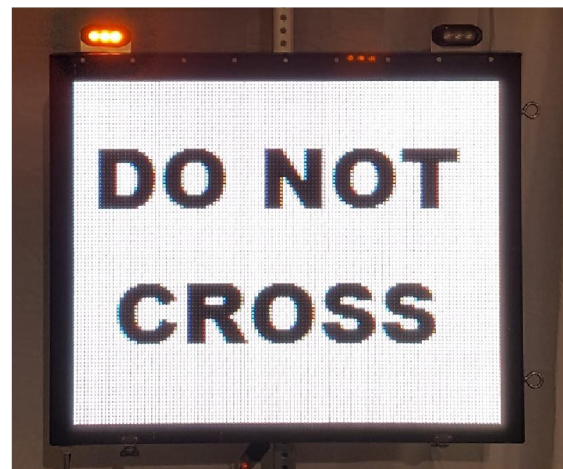
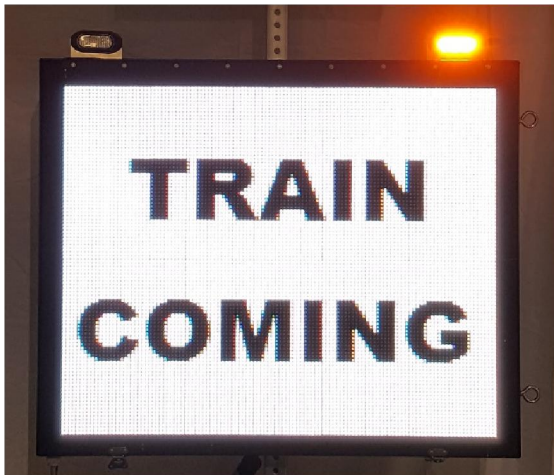




NATIONAL SIGN AND SIGNAL

RxR Pedestrian Dynamic Blank-Out Signs

NEW FOR 2018! National Sign and Signal's Dynamic Blank-Out (DBO) signs will set the new standard for ultra-bright, ultra-visible pedestrian safety signs – with the added ability to display multiple complex images or messages not available from standard blank-out or lane control signs. Ideal for all railroad crossing applications, National Sign's DBO signs are available with 1 to 10 inputs – each capable of displaying a single or rotating image or message in all standard ITE colors. All of National Sign's DBO signs conform to FHWA/MUTCD specifications and can be customized to meet special requirements.



Notable features:

- Exceptional message visibility and clarity
- Modular design with LED circuit boards
- Complete blank-out when not energized – no phantom images or text
- Ability to display multiple complex images or messages
- Models available with 1 to 10 inputs – each capable of displaying a single or rotating image or message
- Reusable for multiple installations
- No hot spots
- Input control by 110 VAC or 12/24 VDC power options
- Auto dimming based on ambient light
- Full matrix LEDs maintain image integrity
- Single or double face models
- Easy to open cabinet with removable assemblies for simple maintenance
- 60,000 hr. LED life expectancy with minimal to no light degradation
- Solid state Mean Well power supply



NATIONAL SIGN AND SIGNAL

301 S. Armstrong, Battle Creek, Michigan 49037 | p 269 963.2817 | f 269 963.2865 | www.nationalsc.com



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Dynamic Blank-Out Signs

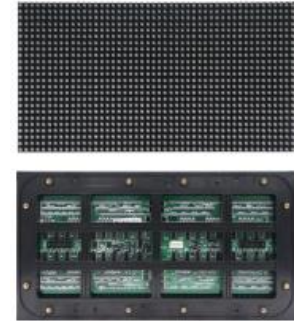
General Specifications:



Standard BO Sign "Reverse" Image



NSSC DBO Sign "True" Image



NSSC DBO Sign P6 LED Module

Window Dimensions:	24" x 24"	24" x 30"	24" x 36"	36" x 36"
Programming:	1-10 programmable inputs -- each of which can display "true" NHTWA/MUTCD images and fonts that are preloaded at the factory or office/field programmed using software available from NS&S and a standard laptop or PC. Ability to display multiple images per input, including "blinking" or ALERT messages.			
Enclosure:	Material: 6063 extruded aluminum, 0.125" with stiffening ribs; Finish: Black outdoor-grade enamel paint (powder coat and custom colors available) Visor: 3003 H13 0.063" sheet aluminum			
Access:	Front, hinged door with tool-free turn-locks			
Hardware:	Corrosion-resistant stainless steel hardware			
Electrical:	Custom-designed electronics package with one or more AC to DC power supplies, a light engine to control the LED panels, and an interface board for outside connection to a traffic controller.			
Field Replacement:	All electronic, including the LED modules, are modular and field replaceable. No special tools required for mechanical or electrical component replacement, with all attachment points using only push-on connectors or common screws.			
Environment Control:	Interior heat is controlled by a thermostatically controlled fan with a temperature set point of 32C on. All metal fan with a 50,000 hour MTBF and IP55 rating.			
LEDs:	LED panels are available in P6 and P10 configurations. Modules: P6 (320x160x30.5) P10 (320x160x26.5); Type: DIP570; Color: 1R1G1B Brightness (nit): P6 (7500); P10 (6500)			
Sign Viewing Angle:	100°			
Power Supply:	Mean Well LRS-350-5 power supplies (# of power supplies depends on sign size and model).			

* Specifications subject to change any time without notice



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