

Remote Annunciator



The DSE2548 is a powerful remote display to match Blue Star Power Systems, Inc's DCP7310 control panel. It may be powered from the engine starting batteries at 12V, 24VDC, or AC to DC converter. The DSE2548 uses DSENET communications between itself and the DCP to reduce the number of wires required to activate all the alarms. The DSENET communications can be used on remote displays up to 3,280 (1km) feet away from the DCP. The DSE2548 has 9 LEDs per annunciator for a total of 18 LEDs to indicate Alarms, Pre-Alarms and operating conditions of the emergency standby generator system. The DSE2548 also comes complete with a box for easy installation. The DSE2548 is available in two mounting configurations: surface and semi-flush mount. These panels comply with the requirements of NFPA 110.



Key Benefits

- ▶ Annunciation of 16 alarms and pre-alarms as detected by the DCP
- ▶ Annunciation of 2 status indicators
- ▶ Audible alarm horn
- ▶ Lamp Test and Alarm Silence switches
- ▶ Power supply inputs for 12V or 24VDC
- ▶ DSENET communications
- ▶ Two mounting configurations
- ▶ Box included
- ▶ Designed for use in harsh environments
- ▶ Works up to 3,280 (1km) from the host controller
- ▶ 10 modules can be linked together to one host controller
- ▶ Eight configurable LEDs

ID Switch

The rotary ID switch is used to select the address of the DSE2548 expansion module, as the host control module is capable of giving instructions to a number of DSE2548 expansion modules at the same time.

Specifications

DC Supply	
Continuous Voltage Rating	8V to 35V Continuous
Cranking Dropouts: Able to survive 0V for 50mS, providing supply was at least 10V before dropout and supply recovers to 5V. This is achieved without the need for internal batteries. LEDs and backlight will not be maintained during cranking.	
Maximum Operating Current	112mA at 12V, 53mA at 24V
Maximum Standby Current	74mA at 12V, 35mA at 24V
Dimensions	
Overall	180 mm x 116 mm x 42.7 mm 7.07" x 4.57" x 1.68"
Panel Cut-Out	154 mm x 98 mm 6.06" x 3.86"
Maximum Panel Thickness	8 mm 0.3"

Environmental Testing Standards

Electro-Magnetic Compatibility	
BS EN 61000-6-2	EMC Generic Immunity Standard for the Industrial Environment
BS EN 61000-6-4	EMC Generic Emission Standard for the Industrial Environment
Electrical Safety	
BS EN 60950	Safety of Information Technology Equipment, including Electrical Business Equipment
Temperature	
BS EN 60068-2-1	Ab/Ae Cold Test -30°C
BS EN 60068-2-2	Bb/Be Dry Heat +70°C
Vibration	
BS EN 60068-2-6	Ten sweeps in each of three major axes 5 Hz to 8 Hz @ +/-7.5mm, 8 Hz to 500 Hz @ 2 gn
Humidity	
BS EN 60068-2-30	Db Damp Heat Cyclic 20/55°C @ 95% RH 48 Hours
BS EN 60068-2-78	Cab Damp Heat Static 40°C @ 93% RH 48 Hours
Shock	
BS EN 60068-2-27	Three shocks in each of three major axes 15 gn in 11 mS
Degrees of Protection Provided by Enclosures	
BS EN 60529	IP65 - Front of module when installed into the control panel with the supplied sealing gasket.