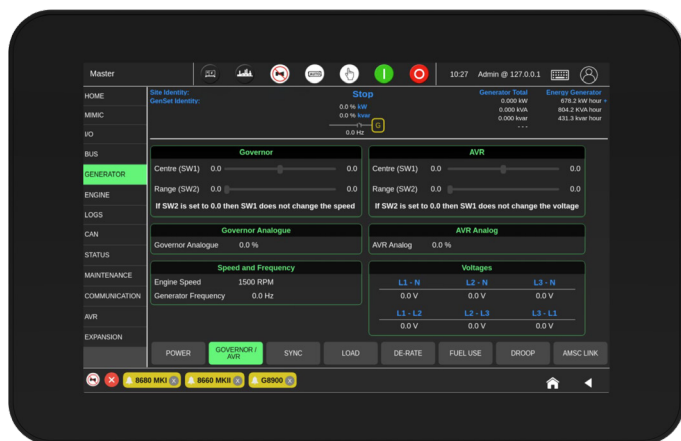




DSEG810 DSESCADA 10" Display

Part Number: G810-01



Overview

Hardware

The DSEG810 is a 10" capacitive touchscreen DSE SCADA overview display designed for monitoring and controlling multiple applications. It runs on the reliable LINUX based operating system and is designed for use with the DSEG8-Series paralleling controller platform. When installed, the unit offers IP67 protection all round, and the powerful NXP i.MX 8 QuadXPlus processor ensures smooth operation. The unit is connected to DSEG8-Series controllers via Ethernet.

Software

DSE SCADA is a secure software platform that provides advanced multi-set monitoring & commissioning functionality for DSEG8-Series controllers. The stand-alone software is pre-loaded onto each device, which includes a full software license. The software can be configured to connect with individual / multiple generators on the same site. Users can gain a full system overview from any remote location with an Internet connection. The software provides multi-set commissioning.

Key Features

- Optically bonded 10.1" colour display for harsh environments.
- Daylight visible, anti-glare display (1000 cd/m² (nit))
- Capacitive touch screen with glove support.
- NXP i.MX 8 QuadXPlus processor with GPU.
- Real time clock.
- Audio output.
- Server / client mode configuration.
- Configurable display screens.
- Comprehensive data overview.

Product Approvals

- + CE
- + UL Listed: Standard - UL 6200:2019

PLEASE NOTE: The DSEG810 requires the panel mount kit (100-413-01) found in related products in order to be mounted.

Product Documentation

053-288 – DSEG810 Installation Instructions
057-395 – DSEG810 Operator Manual



DEEP SEA ELECTRONICS UK
T: +44 (0) 1723 890099
E: sales@deepseaelectronics.com
W: www.deepseaelectronics.com

DEEP SEA ELECTRONICS USA
T: +1 (815) 316 8706
E: usasales@deepseaelectronics.com
W: www.deepseaelectronics.com

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T: +971 (0) 45910819
E: uaesales@deepseaelectronics.com
W: www.deepseaelectronics.com

DEEP SEA ELECTRONICS INDIA
T: +91 20 68195900
E: sales@deepseaelectronics.com
W: www.deepseaelectronics.com

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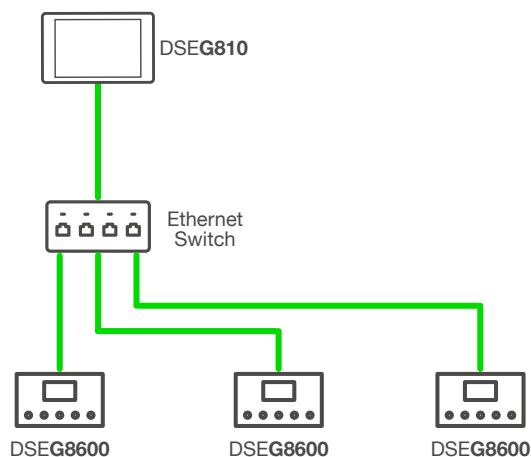


DSEG810 DSESCADA 10" Display

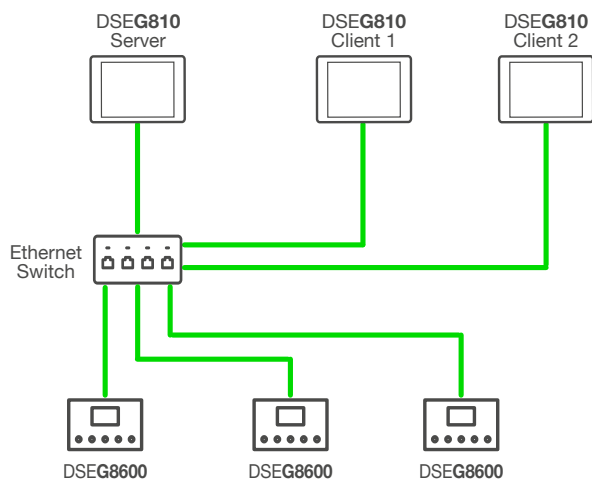
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Typical Applications

Single Configuration



Server / Client Configuration



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**DSEG810 DSESCADA 10" Display**

Part Number: G810-01

Specifications	
DC Supply	
Continuous Voltage Rating	8 V to 32 V DC continuous
Maximum Operating Current	< 1500 mA at 12 V and 24 V without external loads
Display	
Display	10.1" TFT 1280 x 800 resolution 24 bit colour Optically bonded
Brightness	1000 cd/m ² (nit)
Processor	
iMX8QuadXPlus Microcontroller	4 x ARM Cortex A35
Outputs	
Audio Output	1 x Mono Single Channel
Communications	
USB	Used to Connect External Mouse / Keyboard
Ethernet	1 x 10 Mbits/s / 100 Mbits/s Ethernet Port
Temperature	
Operating Temperature	-30 °C to +65 °C / -22 °F to +149 °F
Storage Temperature	-30 °C to +80 °C / -40 °F to +176 °F
Dimensions	
Overall (W x H x D)	281 mm x 181 mm x 61.5 mm / 11.0 " x 7.12 " x 2.42 "
Weight	1.76 kg / 3.88 lb
Mounting	
Type	Panel Fascia Mounting
Panel Cut-Out (W x H)	265 mm x 165 mm (R 12 mm) / 10.2 " x 6.5 " (R 0.5 ")
Maximum Panel Thickness	6 mm / 0.2 "

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DSEG810 DSESCADA 10" Display

Part Number: G810-01

Related Products		
DSEgenset®		
DSEG8900	7" Colour Parallel Genset Controller	G8900-01
DSEG8680	Bus Tie Controller	G8680-01
DSEG8660	Mains (Utility) Controller	G8600-01
DSEG8600	Parallel Genset Controller with Integral Heater	G8600-01
DSE8680	Synchronising Generator Bus Tie Control Module	8680-01
DSE8660 MKII	Auto Transfer Switch & Mains (Utility) Control Module	8660-02
DSE8610 MKII	Synchronising & Load Sharing Auto Start Control Module	8610-02
Remote Monitoring Control		
DSE SCADA	DSE Paralleling SCADA	037-060
Accessories		
Panel Mount Kit		100-413-01
Connector Set (Plugs & Pins)		007-1178
Connector Harness		016-198
Ethernet Cable		016-160
USB Cable Interface		016-161

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**DSEG810 DSESCADA 10" Display**

Part Number: G810-01

Environmental Testing Standards	
CE Marking	
EN61000-6-2	Electromagnetic compatibility (EMC) noise immunity
EN61000-6-4	Electromagnetic compatibility (EMC) emission standard
BS EN 61010: 2010 +A1: 2019	Safety of information technology equipment, general requirements
Water and Dust	
IEC60529	IP67 / NEMA6
Salt Spray	
BS EN 60068-2-52	Test Kb - Salt Mist Cyclic (Sodium Chloride Solution) Severity 3 One test cycle consisting of: Salt mist temperature: +15 °C to +35 °C Spray period: 2 hours Followed by humidity storage period: 20 hours to 22 hours at 93 + 2 % to 3 % rh and +40 °C ± 2 °C Four test cycles (as above) to be applied followed by a Storage Period: 3 days @ 45 % to 55 % rh and +23 °C ± 2 °C
Mechanical Tests	
EN 60068-2-64	Vibration Random Freq range: 10 Hz to 350 Hz
ISO 16750-3	Test VII; vibration Random mounting Location: vehicle body
EN 60068-2-27	Mechanical shock Shock pulse shape: Half sine Amplitude: 50 g Duration: 11 ms Number of shocks: 3 in each direction of each axis (9 in total of each duration)
EN 60068-2-27	Mechanical shock Shock pulse shape: Half sine Amplitude: 50 g Duration: 6 ms Number of shocks: 3 in each direction of each axis (9 in total of each duration)
ISO 16750-3	Bumps Amplitude: 30 g Duration: 6 ms; 24,000 shocks
Load Dump	
ISO 16750-2	151 V (Ri 1 Ω) 202 V (Ri 8 Ω)

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**DSEG810 DSESCADA 10" Display**

Part Number: G810-01

Mains (Utility) Controller	
Pin	Description
1	DC Supply +ve
2	Audio Output +ve
3	Ignition Supply +ve
4	Not Used
5	Not Used
6	Program Enable
7	Not Used
8	Not Used
9	DC Supply -ve
10	Audio Output -ve
11	Not Used
12	Not Used
13	Not Used
14	Not Used
15	Not Used
16	Not Used
17	Not Used
18	Not Used
19	Not Used
20	Not Used
21	Not Used
22	Not Used
23	Not Used

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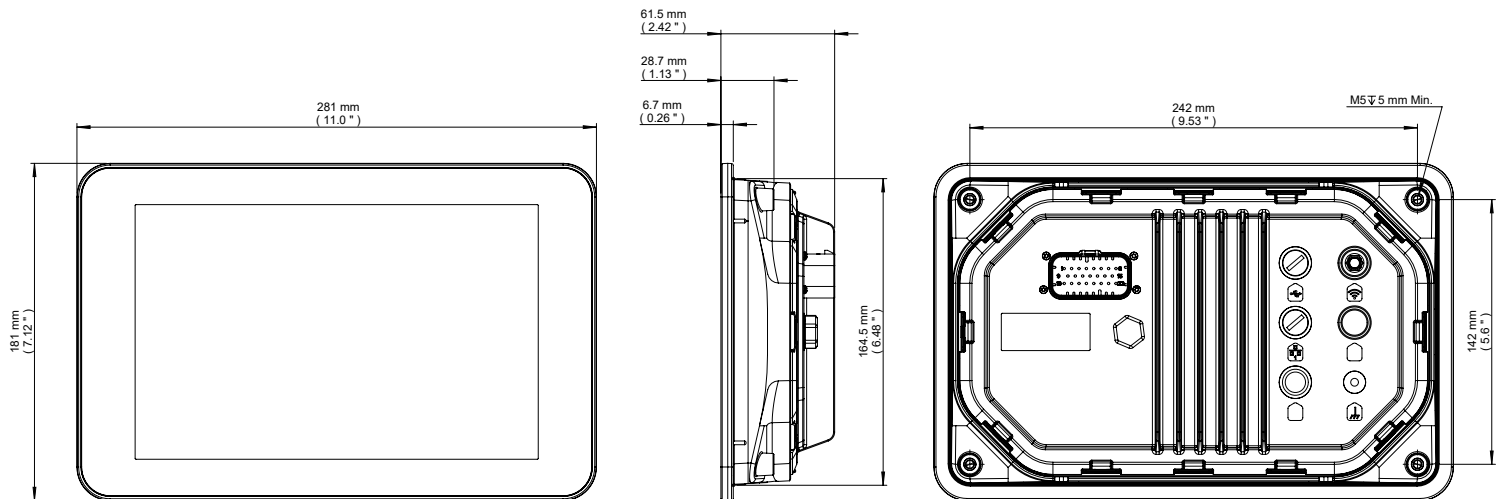
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DSEG810 DSESCADA 10" Display

Part Number: G810-01

Technical Drawing



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