



# RDP-110 Remote Display Panel



## Overview

The RDP-110 allows DGC (Digital Genset Controller) users to easily meet the annunciation requirements of NFPA-110 applications. Simple integration to the genset control system provides alarm and pre-alarm indication and annunciation of system status.

## Features

- Four programmable LEDs via BESTlogic™ Plus
- Annunciation of 17 alarms and pre-alarms as detected by the DGC
- Audible alarm horn
- Lamp Test and Alarm Silence switches
- Power supply inputs for 12 Vdc and 24 Vdc (local to the RDP-110)
- RS-485 communications reduces the number of interconnection wires to four
- Two mounting configurations
- Conduit box included
- Designed for use in harsh environments

## Benefits

- Easy customization of alarm and pre-alarm LEDs (two each), allowing adaptation to various applications while maintaining NFPA-110 requirements.
- Multiple selection of power supply inputs of 12 Vdc and 24 Vdc are standard, enhancing compatibility with virtually any system while reducing inventory.
- Two mounting configurations, surface and semi-flush, are available for easy adaptation to installation requirements.
- Rugged construction makes the RDP-110 the optimal choice for harsh environments.

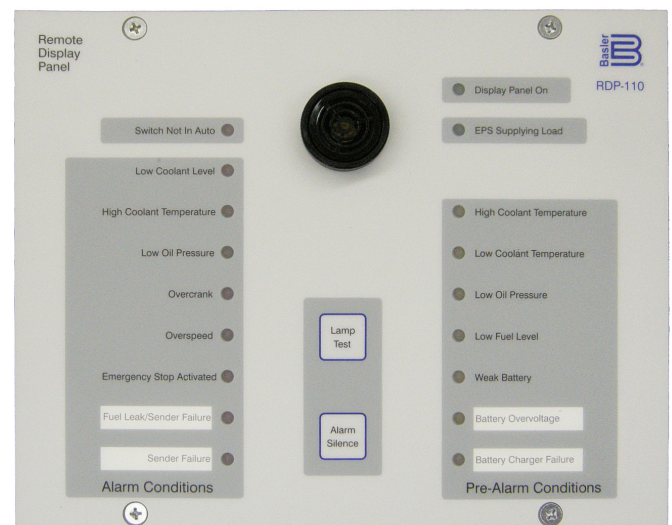


Figure 1 - RDP-110 Front Panel

## Specifications

### Power Supply

Nominal: 8 to 32 Vdc  
Burden: 2 W

### Communication

RS-485: Digital Genset Controller Interface

### Environmental

Operating Temp: -40°C to 70°C (-40°F to 158°F)  
Storage Temp: -40°C to 85°C (-40°F to 185°F)  
Salt Fog: ASTM 117 B  
Vibration: From 10 to 500 Hz, 2 G in each of three mutually perpendicular planes, for a total of six sweeps, 15 minutes each sweep

Shock: 15 G in each of three perpendicular planes  
Isolation: 1,800 Vdc for one minute between chassis ground and ac voltage input. 700 Vdc for one minute between any two of the following:

- Chassis ground
- Battery and RS-485 terminals
- AC voltage inputs

Radio Frequency Interference: Type tested using a 5 W, handheld transceiver operating at random frequencies centered around 144 MHz and 440 MHz with the antenna located within 6" (15 cm) of the device in both vertical and horizontal planes.

### Agency/Certifications

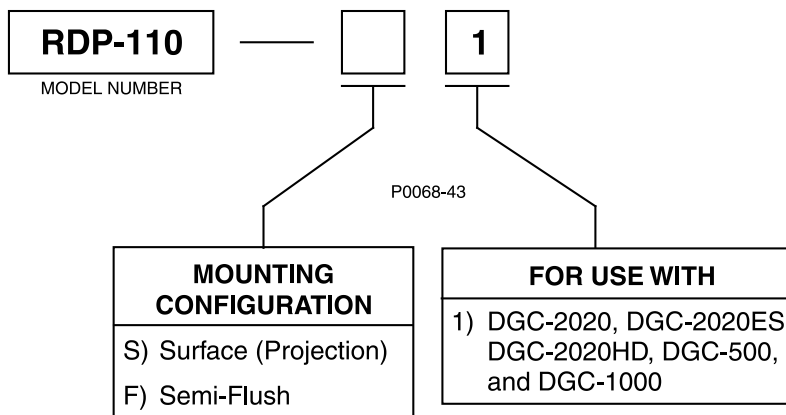
CSA certified, UL recognized, and CE compliant

### Physical

Weight: 6.6 lb (3 kg)  
Dimensions (WxHxD): 6.26 x 12.00 x 8.62 inches (159.0 x 304.8 x 219.0 mm)

For complete specifications, download the instruction manual at [www.basler.com](http://www.basler.com).

## Style Chart



## Related Products

### DGC-2020 Digital Genset Controller

Provides genset and transfer switch control, metering, protection, and programmable logic in a simple, easy to use, reliable, rugged, and cost effective package.

### DGC-2020ES Digital Genset Controller

Provides industry-leading value with an extensive level of functionality and flexibility for emergency and stand-alone generator set applications.

### DGC-2020HD Digital Genset Controller

An advanced but rugged, genset control system designed for paralleling and complex load sharing schemes.

### AEM-2020 Analog Expansion Module

Easily increase the functionality of the DGC-2020, DECS-250, and IEM-2020 by seamlessly adding analog inputs and outputs to their array of configurations.

### CEM-2020 Contact Expansion Module

Seamlessly increase the number of contact inputs and outputs by adding the CEM-2020 to the DGC-2020, DGC-2020ES, DECS-250, or the IEM-2020.

### LSM-2020 Load Share Module

Precisely share both real and reactive loads between gensets or the utility, base-load machines, sequence generator sets, and start or stop machines upon total system demand.