

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.

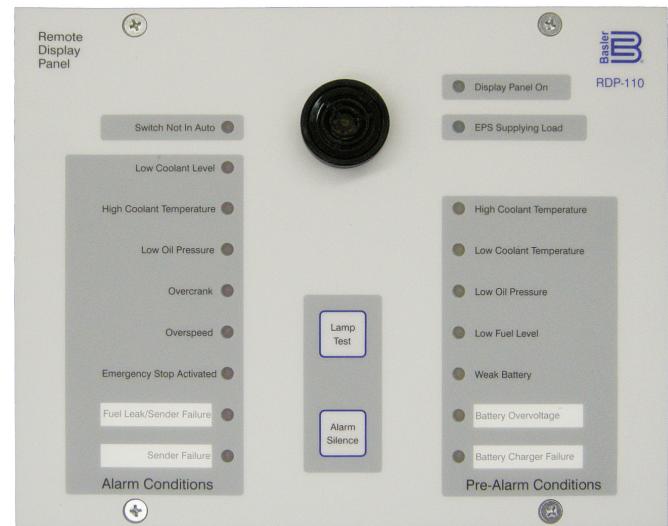


Figure 1 - RDP-110 Front Panel



RDP-110 Remote Display 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

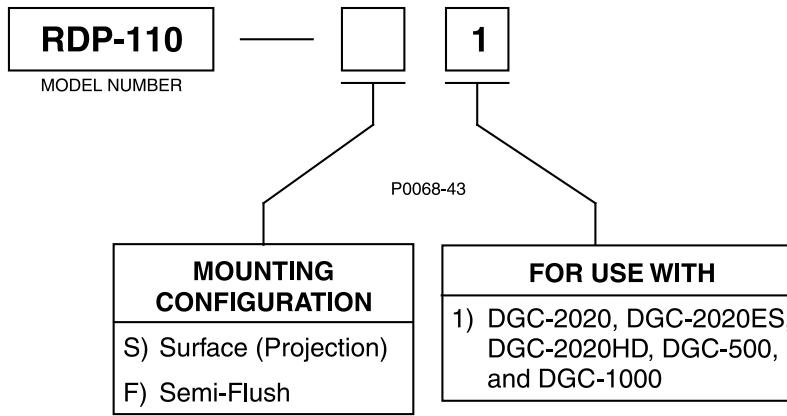
CSA certified, UL recognized, and CE compliant

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.

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.



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