

DGC-2020 Product

Notes
PRNote 130
November, 2009

Applying remote display panels in multiple locations

Some emergency standby applications require remote display panels to be installed in multiple locations. Conventional display panels would require multiple wire pairs to be pulled from the generator control panel to each location that required a remote display panel. This process was expensive and be labor intensive.



RDP-110 Remote
Display Panel

Modern technology, using digital devices such as the DGC-2020 genset controller along with the RDP-110 remote display panel allow this to be done more easily by using communications. The DGC-2020 sends the engine and generator status and alarms to the RDP-110 over RS-485 communications. This allows all of the information to be available at the remote panel, with only the need to run a two-wire communication link rather than a multiple wire bundle, as was required in a conventional system.

This also allows multiple RDP-110 units to be daisy-chained in multiple locations along the RS-485 communication network. However, each RDP-110 has a built in terminating resistor mounted on the circuit board. The terminating resistor is only required on the last RDP-110 on the RS-485 line. Any RDP-110 placed in between the DGC-2020 and the last RDP-110 on the communication network will need to have the terminating resistor removed from the circuit board. The terminating resistor is R65 on the circuit board and is located on the lower left corner near the RS-485 terminals.

For more information on the DGC-2020, consult the Basler factory at 618/654-2341 or visit www.basler.com.



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