DGC-2020
Product Notes

Utilizing the DGC-2020's RS-232 connection with an External Modem

With the release of the revision 3 hardware, the DGC-2020 now has an option for an RS-232 port that allows the customer more flexibility when choosing a modem. Previously, users were limited to choosing an internal dial-out modem. The DGC-2020's firmware has been designed to work with nearly all modern modem manufacturers requiring as little setup as entering the 10 digit phone number used to dial out and defining the conditions under which to dial. While installing most modems will be as easy as a plug-and-play type of device, older modems and some new models may require extra setup. The basic setup, as shown in Figure 1, requires only a phone number or pager number and the conditions required for the modem to dial-out.

For older modems and a few non-standardized modems, some additional configuration is needed and possibly some initialization strings. For more information on the modem's initialization strings, consult the modem's manual. The primary settings that need to be checked are that Serial Baud Rate and Modulation speed, both of which should be set to 9600. The modems will utilize some type of AT command set which is usually listed in the modem's manual. In Figure 2, the initialization string is filled in with a standard AT command to alter both the serial baud rate and modulation speeds.

If you have any questions, consult the Basler factory at (618) 654-2341 or visit www.basler.com.
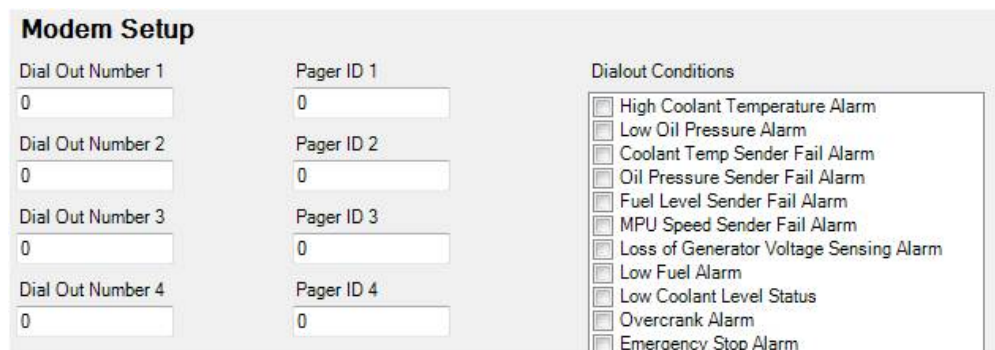

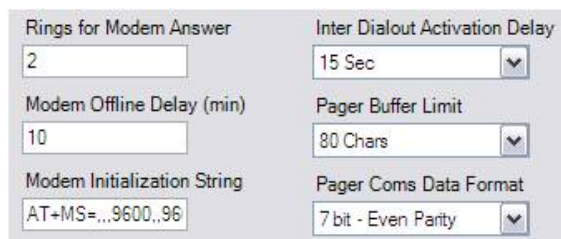Figure 1: Basic Settings of Dial Out Numbers

Figure 2: Advanced Settings of Dial Out Numbers