

## Utilizing a Temperature Transducer with the DGC-2020HD

1. Connect the transducer to one of the Analog Inputs on the DGC-2020HD. For the purposes of this document, Analog Input 1 will be utilized which are terminals 83 tied to 85 and terminal 84 (Figure 1).

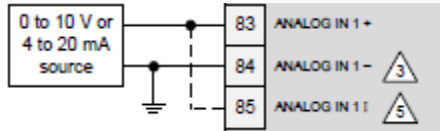


Figure 1 – Terminal Connections

2. In BESTCOMSPi<sup>us</sup>®, under Settings Explorer-Programmable Inputs-Analog Inputs-Analog Input #1, program according to Figure 2. The Min and Max parameter range will come from the transducers ratings.

The screenshot shows the 'Analog Input #1' configuration interface. It includes fields for 'Label Text' (Temp Transducer), 'Arming Delay (s)' (0), 'Hysteresis (%)' (2.0), and 'Out Of Range Alarm Type' (Status Only). The 'Input Type' is set to 'Current'. The 'Ranges' section includes 'Param Min' (32.00), 'Min Input Current (mA)' (4.0), 'Min Input Voltage (V)' (-10.0), 'Param Max' (212.00), 'Max Input Current (mA)' (20.0), and 'Max Input Voltage (V)' (10.0). There are two threshold sections: 'Threshold #1' with 'Mode' (Over), 'Threshold' (180.00), 'Activation Delay (s)' (2), and 'Alarm Configuration' (Status Only); and 'Threshold #2' with 'Mode' (Under), 'Threshold' (40.00), 'Activation Delay (s)' (2), and 'Alarm Configuration' (Status Only).

Figure 2 – Analog Input #1

- In BESTCOMSPi.us, under Settings Explorer-General Settings-Front Panel HMI, select the Analog Input for metering purposes (Figure 3).

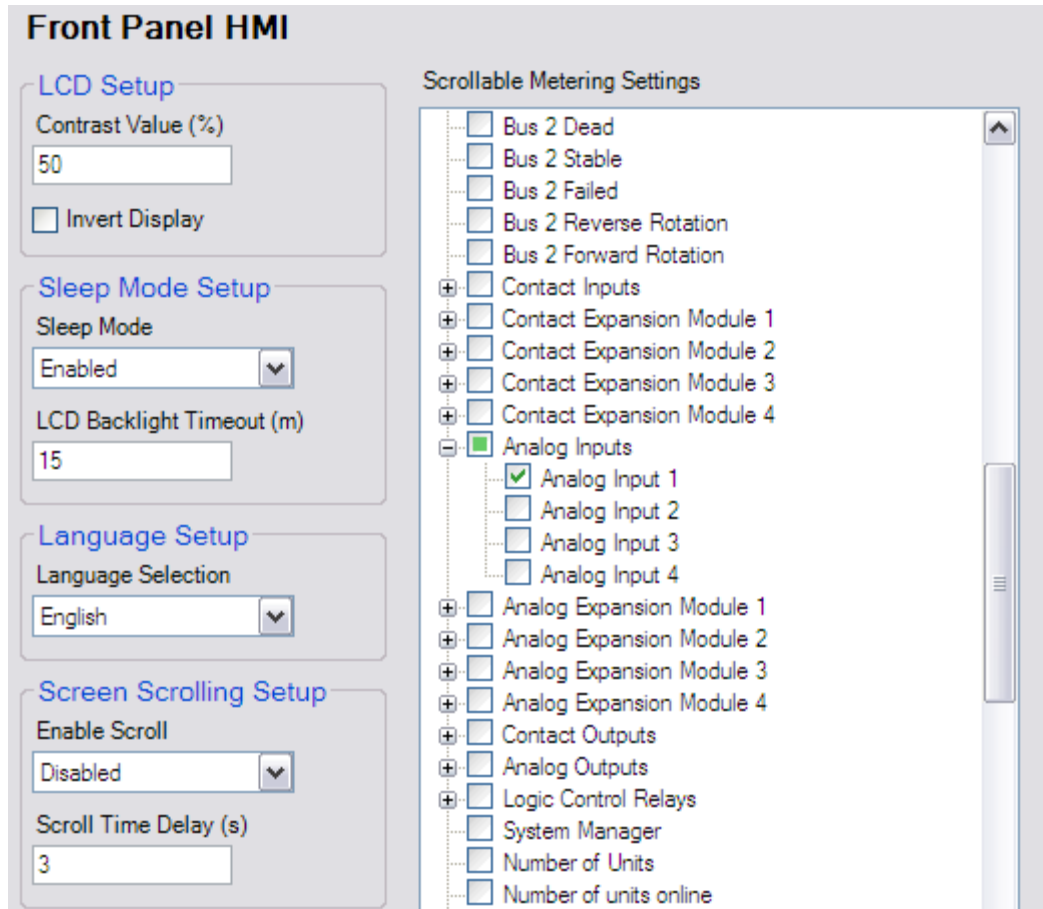


Figure 3 – Front Panel HMI Configuration

For more details, download the [DGC-2020HD manual](#) or [IEM-2020 manual](#). If you have any questions, consult the Basler factory at (618) 654-2341 or visit [www.basler.com](http://www.basler.com).



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