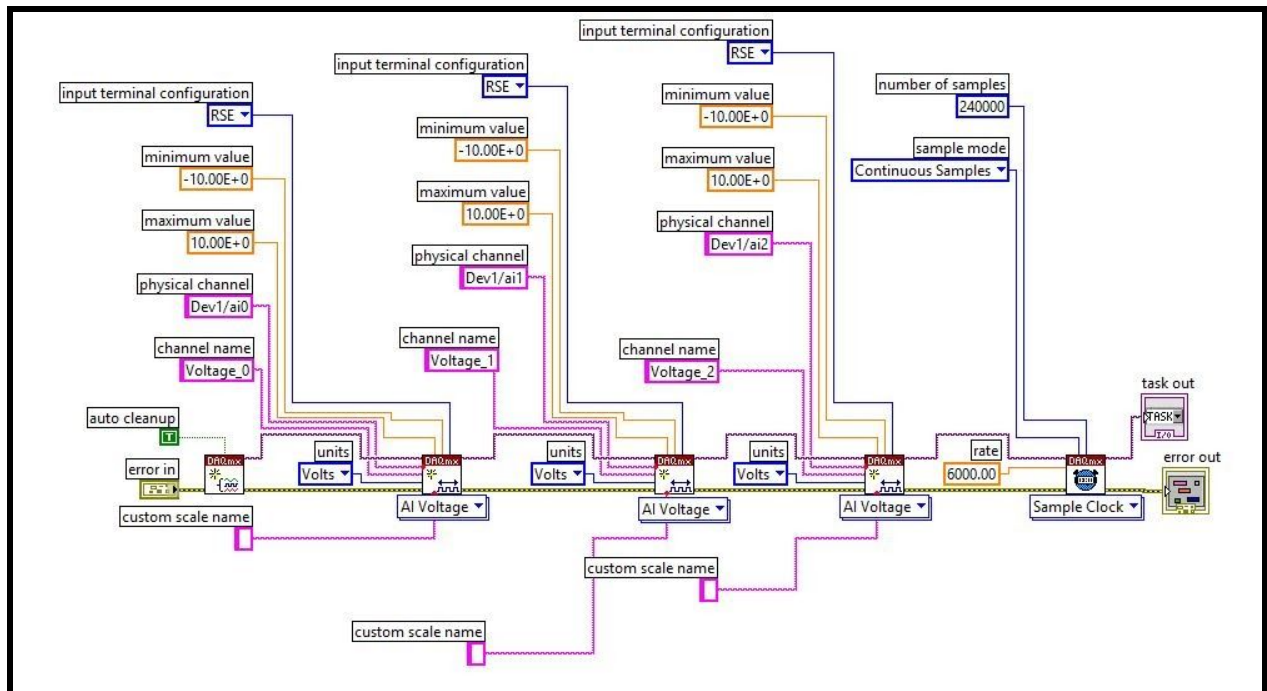


11 DAQ Config (continuous) uses NI DAQmx VI's to set the physical channel required by the DAQmx VI. The Front Panel shows the error in, error out, and the tasks in and out.



ATTENTION: To use the DAQmx, you will need to download the driver from:
<http://www.ni.com/nisearch/app/main/p/bot/no/ap/tech/lang/en/pg/1/sn/catnav:du,n8:3478.41.181.5495,ssnav:ndr/>

The VI starts by receiving any errors in, then sends the errors to the National Instruments VI DAQmx Create Task. A task is used to tell the DAQmx to be ready to acquire or generate data. In order to use the DAQmx VIs, you will need to download the driver as

mentioned above. Once the task is established, the physical channels for recording voltage data are set up. The process is repeated for each voltage line if using 3 phases. Once complete, the VI DAQmx Timing (Sample Clock) is called. Sample Clock sets the number of samples, the type of sampling, the rate of sampling, and source of the clock for the task, however the task is not outputted, just configured. Any errors are passed through the entire VI. Once complete, any errors and the task are sent to the Front Panel as output.