Enhanced controller that monitors air inlet pressure and temperature and outlet air pressure and temperature in addition to the display and operating parameters on the standard controller. Additionally, the microprocessor shall incorporate the following features:

* Chiller Temperature Digital Readout
* Ambient Air Temperature Readout
* Chiller High Temperature Alarm
* Chiller Low Temperature Alarm
* Adjustable Exchanger Temperature
* Compressor Shell Temperature
* Drain Test Function
* Compressor Anti-Short Cycling Function
* Suction Pressure Digital Readout
* Discharge Pressure Digital Readout
* Suction Temperature Digital Readout
* High Discharge Pressure Cutout Alarm
* Low Suction Pressure Cutout Alarm
* High Filter Pressure Drop Alarm
* Expedited Compressor Crankcase Heater Startup Sequence
* Phase Monitor Fault Alarm (Phase protection, under & over voltage protection)
* RS485 Communication Ready
* Adjustable Baud Rate
* Air Inlet Pressure
* Air Outlet Pressure
* Air Inlet Temperature
* Air Outlet Temperature

Microprocessor shall also incorporate field programmable dew point settings to allow the dryer to be more closely matched to seasonal demands. A higher dew point setting shall allow the refrigerant compressors to experience a lighter load thereby conserving more energy and further reducing compressor wear and tear.