The standard controller is replaced by a fully integrated microprocessor that monitors and controls the chiller section and refrigeration system. The microprocessor shall control the chiller section to prevent freeze-up. Additionally, the microprocessor shall incorporate the following features:

* Chiller Temperature Alarm
* Condensate Drain Time Adjustment
* % Savings
* Refrigerant Compressor Running Hours
* Dryer Running Hours
* Auto Restart
* Remote Start/Stop
* Crank Case Heater Delay
* RS232/485-Remote Communication – Ready
* High Condensate Level Alarm – Ready
* Advanced Diagnostic memory
* Battery Back-up Memory
* Refrigerant Discharge pressure
* Refrigerant Suction Pressure
* Refrigerant Suction Temperature
* Air Inlet Pressure
* Outlet Air Pressure
* Air Inlet Air 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.