



Red Board Systems

Bringing Modern Technology to Legacy Systems

- An easily installed retrofit kit which will extend the life of your Quantum* or Spectrum* Dryer.

- This controller consists of up-to-date modern technology that will be upgradable for years to come. And it's all available at a price you can afford!

Introducing the Red Board Systems Retrofit Kit

Red Board



A “drop-in” replacement for the Slave Board.

Controller



This takes the place of the *Quantum display or *Spectrum display units. Simply connect the RS-485 communications cable already installed to the dryer panel to the Red Box Controller, and plug in the included power supply. The Red Box Controller will then provide a wireless connection to the Display Unit

Display Unit



A wireless display tablet provides the Dryer operator with the convenience of controlling all dryer parameters while not being restricted to a fixed location. Operation of the Dryer may take place anywhere within the wireless range of the Red Box Controller. This greatly eases initial setup of the Red Box Controller and allows the Dryer operator to make any necessary parameter adjustments from a variety of on-site locations, including next to the Dryer or Dryer Panel itself.

Moisture Sensors



Improved moisture and temperature sensing to accurately control the Dryer.

The built-in-infrared sensor provides near-instantaneous temperature readings.

The housing is made from UHMW material, for longer operational life.



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WIRELESS DISPLAY UNIT



The wireless display unit is a wirelessly connected tablet that can be taken anywhere within the wireless range of the Red Box Controller.

The Settings and Dryer Configuration screens of the wireless display unit provide a logical hierarchy to find and set Dryer parameters and options both easily and quickly.

The Dashboard screen of the wireless display unit gives the user real-time information with respect to many Dryer settings and Dryer operation states. Furthermore, the Dashboard has most settings easily accessed through “hot keys” that are located around the graph of incoming and outgoing moisture values.

Additionally, the Red Box Controller allows not only full manual control of the Dryer, but allows the following Automatic operating modes as well:

Automatic Operating Modes:

- Moisture Based CF Full Heat
- Moisture Based CF Heat/Cool
- Temperature Based CF AMC-T
- Time Based Batch Mode Full Heat
- Time Based Batch Mode Heat/Cool
- Temperature Based AMC-T Batch Mode

USER INTERFACE SIMULATOR



Try the User Interface Simulator on our website:
redboardsystems.com

This simulator demonstrates the look and feel of the Graphical User Interface (GUI) utilized by the wireless display unit. The GUI is an intuitive, easy-to-use, and simple interface that provides quick access to settings and data. For example, settings are quickly viewed and changed by touching the screen in the area of the displayed operating parameter (such as “Load”, “Unload”, “Plenum Temp”, etc). Additionally, each data point displayed on the moisture graph may be touched to provide more information (such as the exact time, moisture and temperature values).

Visit our website to check out the many features of the Red Box System that are too numerous to be mentioned here, and for videos that detail the ease of installation as a retrofit kit.

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