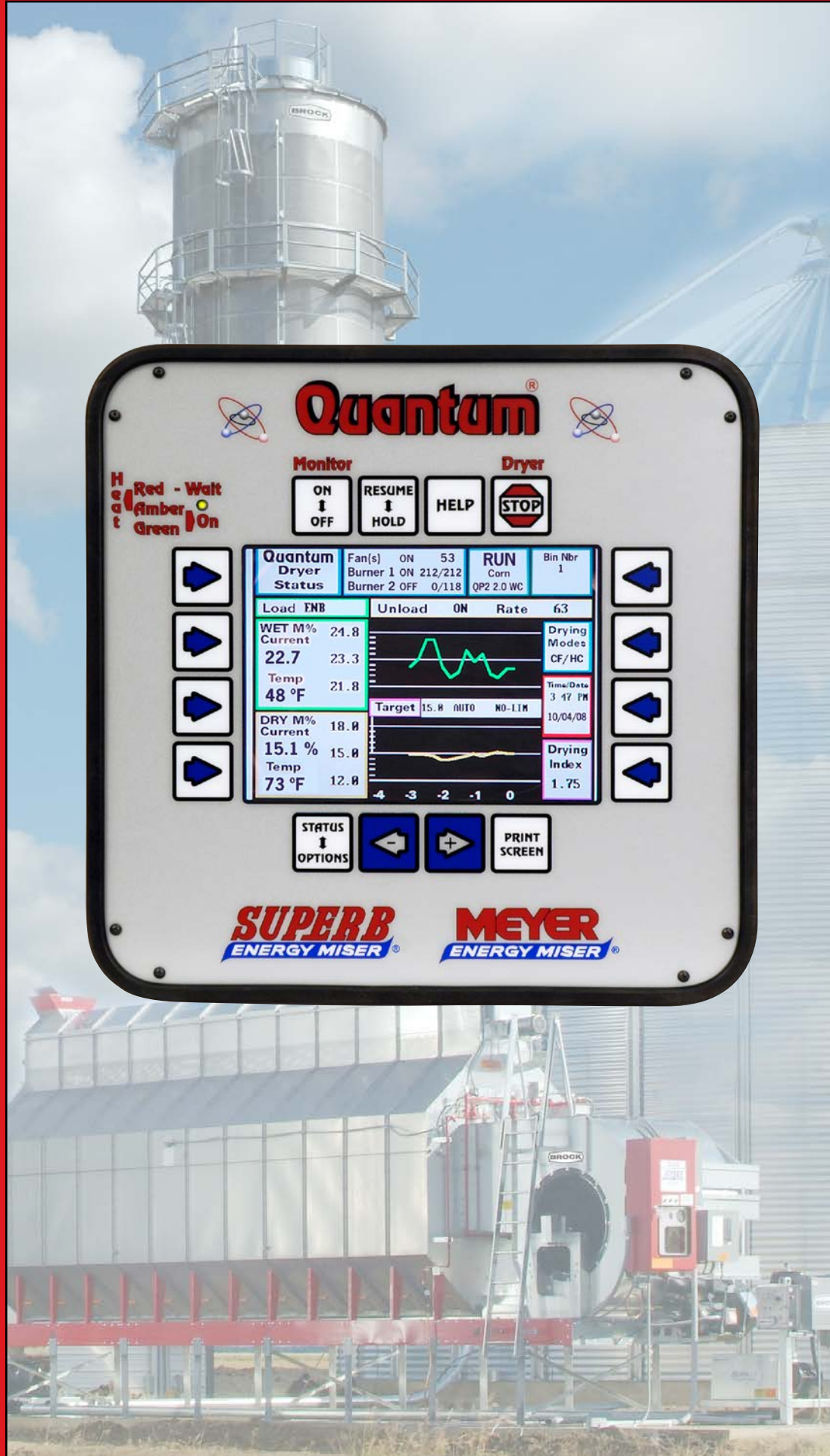




# GRAIN DRYER CONTROLLERS



**Quantum**

**Monitor**      **Dryer**

Heat: Red - Wait, Amber - On, Green - On

ON / OFF    RESUME / HOLD    HELP    STOP

<b>Quantum Dryer Status</b>	Fan(s) ON 53 Burner 1 ON 212/212 Burner 2 OFF 0/118	<b>RUN</b> Corn QP2 2.0 WC	Bin Nbr 1
Load ENB	Unload ON	Rate 63	Drying Modes CF/HC
WET M% Current 24.8 Temp 22.7 48 °F	23.3 21.8	Target 15.8 AUTO NO-LLM	Time/Date 3:47 PM 10/04/08
DRY M% Current 18.8 Temp 15.1 % 73 °F	15.8 12.8		Drying Index 1.75

STATUS / OPTIONS    PRINT SCREEN

**SUPERB ENERGY MISER**      **MEYER ENERGY MISER**



# INNOVATIVE QUANTUM® DRYER CONTROLLER



## DO MORE THAN SIMPLY MONITOR YOUR DRYER!

Brock's popular QUANTUM® Dryer Controller provides you with **total dryer management** for accuracy in controlling grain moisture during the drying process. This is a sampling of the controller's field-proven 32-bit real time operating system features:

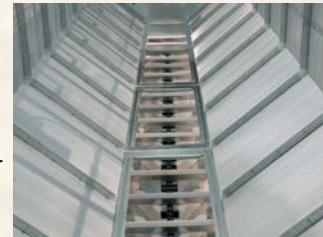
- **Moving Moisture Target Feature** enables the QUANTUM Controller to provide full heat drying control. This unique feature anticipates the final moisture of the grain reaching the bin and manages that grain's moisture content as it passes through the dryer.
- **Quality Control** is maintained with the QUANTUM Controller's ability to regulate the discharge speed of the grain to match the capacity of the unloading system. To help prevent over-drying grain, the controller automatically reduces the plenum heat if the unloading rate limit is reached.
- **User-Friendly QUANTUM Controller** can be located up to 1,000 feet from the dryer. Simple, menu-driven, full color screens display current grain and dryer conditions. The unit also displays a graph of incoming and out-going moistures and has a handy scroll-back feature.
- **Optional Modem** aids the QUANTUM System in providing verbal update reports on moisture readings and calls the user to alert of a dryer shutdown and its cause. It can also help with downloading the controller's entire memory to another computer for reports or for diagnostic purposes.



Brock's patented QUANTUM® Controller works with any current BROCK® Commercial Tower Dryer, MEYER ENERGY MISER® Tower Dryer and SUPERB ENERGY MISER® Low-Profile (including SQ Series Dryers).

## Variable Speed AC Drives

adjust the speed of the dryer's unloading system as needed. Regulating the discharge speed of the grain offers better quality control by helping to reduce over-drying.



## Precise Plenum Temperature Control

is achieved through the use of an electronic modulating valve and RTD temperature sensors.

## Wet Moisture Capacitance Sensor

determines the actual moisture content of the incoming grain and adjusts the burner temperature and dryer unloading speed automatically.

**Dry Moisture Capacitance Sensor** senses the moisture level of the grain being discharged from the dryer.

**Moisture Readings** are reported five times per second to the QUANTUM Controller.

**On-Screen Manual** for the QUANTUM Controller has operations, service and parts sections that contain write-ups, schematics, photos and drawings appropriate for your specific model of dryer. The QUANTUM Controller records the last 100 significant dryer events, calibrations or alarms to aid in trouble-shooting and to facilitate servicing.



## BROCK GRAIN SYSTEMS

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