



Quantum[®] Dryer Controller

Innovative Electronic Grain Drying Controls
with a PROVEN record of RELIABILITY



Quantum[®]

Monitor
Dryer

ON
|
OFF

RESUME
|
HOLD

HELP

STOP

Quantum Dryer Status	Fan(s) Burner 212/212	ON ON 81 F	RIN	Bin Number 1
Load ENABLED	Unload	ON	Rate	63
WET M% Current 22.7	24.8 23.3			Drying Mode FH/WT
Temp 68	21.8			Time/Date 3:47 PM 5/11 2008
DRY M% Current 15.2	18.8 15.8			Drying Index 1.75
Temp 80	12.8			

STATUS
|
OPTIONS

←

→

PRINT
SCREEN

Heat
Red - Wait
Amber - On
Green - On

Quantum® Dryer Controller



Total Dryer Management – The QUANTUM® Dryer Controller provides accuracy in controlling moisture during the grain drying process. For full heat drying, the controller includes a moving moisture target feature. This unique feature anticipates the final moisture of the grain reaching the bin and manages that grain's moisture content as it moves through the dryer. The controller does this by monitoring fluctuating moisture levels in incoming grain or temperature changes in exiting grain resulting from different hybrids.

Quality Control – The QUANTUM Controller is able to regulate the discharge speed of the grain to match the capacity of the unloading system. To prevent over-drying grain, the controller can automatically reduce the plenum heat if the unloading rate limit is exceeded.

User-Friendly Controller – The controller for the QUANTUM System 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 outgoing moistures and has a handy scroll-back feature.

Optional Modem – An optional modem helps the QUANTUM System provide verbal update reports and call the user to alert of a dryer shutdown and its cause. It can also aid with downloading the controller's entire memory to another computer for reports or for diagnostic purposes.



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



Variable Speed AC Drives adjust the speed of the unloading system as needed. Regulating the discharge speed of the grain offers better quality control by helping to reduce over-drying.

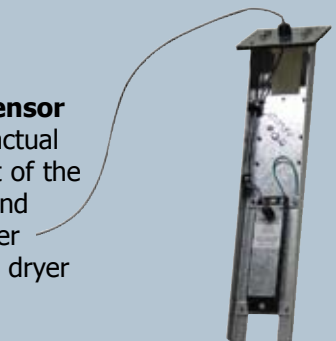


Fuel Flow Control Stabilizer controls the volume of fuel going to the dryer's burner, thus also controlling the plenum temperature of the dryer.

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



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



**Brock Grain Systems
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