

BARN OWL: Advanced All-in-One Temperature, Humidity and Drying Control

Optimize Crop Management with Cutting-Edge Cloud Technology and 40% Energy Savings



*Wired and Wireless
Control System*

Barn Owl Stand-Alone Temperature and Humidity Fan Controller

DISPLAYS



Crop Temperature



Ambient Air Temperature



Relative Humidity

BENEFITS

- 1 Combines Temperature Differential and Thermo-Humidistat Controllers
- 2 Includes 3 drying programs for managing grain humidity
- 3 Allows switching to temperature differential control post-drying



"Control Up to 5 Portable Fans with Built-In Starters—Ready to Use with All Connections and Simple Power Requirements."

PORTABLE CONTROLLER- "Effortless Fan Management"

Manage Single or Three-Phase Fans with Precision—Automatic Starters Needed for Each



STATIC CONTROLLER - "Versatile Fan Control for Any Quantity"



Barn Owl Wireless

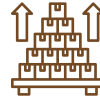
FREQUENTLY UTILIZED



- Pile-Dry Pedestal Stores
- FloorVent Stores
- Traditional Under/On-Floor Lartral Stores
- Drying Stores



Silos up to 60m high



Bulk Potato stores/ box stores



Compost Production

ADVANTAGES

- Energy Savings
- Modular System
- Any device, anywhere
- Secure Data
- Full Control
- Web Based System

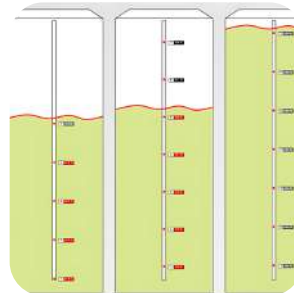
Barn Owl Wireless Automatic Crop Monitoring



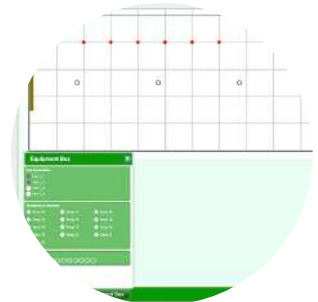
Monitor Grain Temperatures Online—Save Time and Cut Travel Costs.



Real-Time Color-Coded Temperature Updates, Easy Fan Control, and Cloud-Backed Data for Quality Assurance.



Accurate Silo Temperature Recording and Grain Depth Estimation Every 2 or 3 Meters.



Manage Your Store Online—Easily Move and Adjust Equipment as Needed.

COMPONENTS



Pendant Sensor Transmitter



Compost Sensor



Crop Temperature Sensor



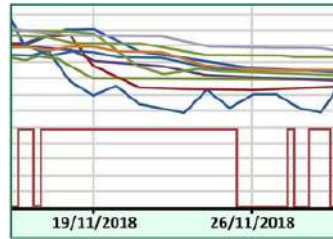
Pendant Temperature Sensor



Barn Owl Wireless Automatic Fan Control



Crop/Fan Programme	Manual	Off	On	Temp	On/Off	Sun/1	Sun/2	Sun/3	TFT
Controller 1_A1(Fan)									
Controller 1_A2(Fan)									
Controller 1_B1(Fan)									
Controller 1_B2(Fan)									
Controller 1_B3(Fan)									
Controller 1_B4(Fan)									
Controller 1_B5(Fan)									
Controller 1_B6(Fan)									
Controller 1_A7(Fan)									
Controller 1_A8(Fan)									
Controller 1_B7(Fan)									



Screen

Screen Date Time: 23/07/2018

Screen Units

High Point (Current value): 10.00

High Point (Maximum Capacity): 11.00

Temp Point (Current value):

Temp Point (Maximum Capacity):

Save

Effortless Control for Up to 12 Fans—Static or Portable, for Any Setup

Customize Programs for Each Fan Directly from Your Barn Owl Wireless Webpage

Faster Crop Cooling & Quality Maintenance Achieve 15°C in 13 Days, 10°C in 2 Months, and 5°C by November

Cut Cooling and Drying Costs by 40%—Efficient Fan Operation and Cost Tracking for Maximum Savings

AUTOMATIC FAN CONTROL



Single Fan Controller



Static Fan Controller



Portable Fan Controller

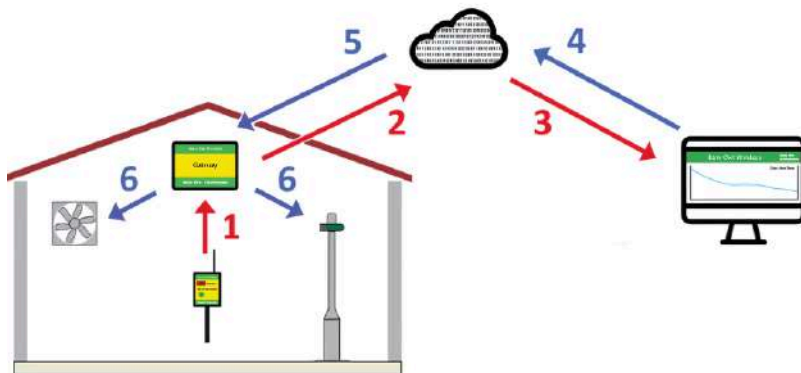
AMBIENT AIR MONITORING



ATH Sensor



CO2 Sensor



1. Temperature Data Sent
2. Data Sent to Cloud via GSM
3. Webpage Data Accessed Online
4. Select Fan Controls Online
5. Fan Controls Sent Gateway
6. Fan Controls Sent to Activate Cooling and Extraction Fans

BASIC SYSTEM COMPONENTS



Gateway



Booster



Bridge

