# Rotem Trio Poultry Family

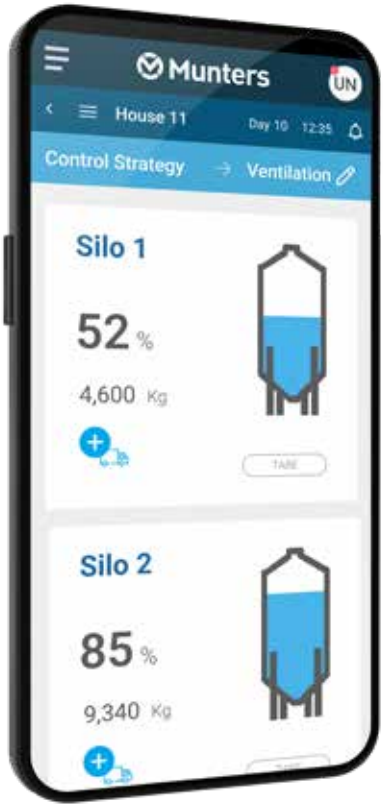
Smart, friendly controller and expansion units
for precision poultry management

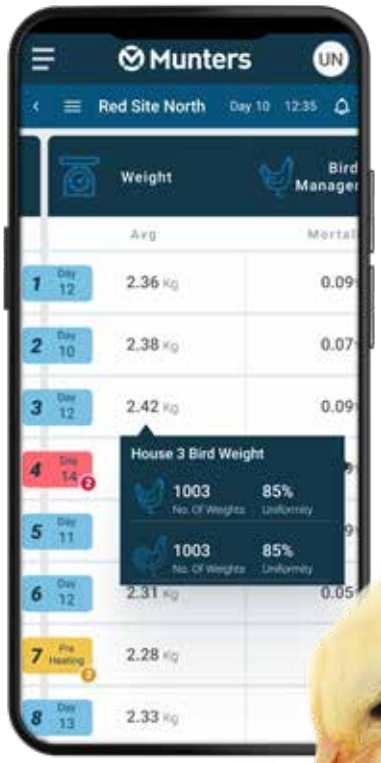
Image shows Trio Controller and Relay Box 70

# Precision climate and environmental control

Trio offers advanced control over critical farm environmental factors, such as temperature, humidity, CO2, and ammonia. Its system supports multiple ventilation modes, including minimum, transitional, and tunnel ventilation, and can automatically adjust based on outside temperature, wind chill, and the temperature-humidity index (THI). By using real-time data, the system ensures precision without overuse of energy.

With its failsafe for air quality conditions, Trio takes automatic action when critical air quality thresholds are reached. This ensures that air quality remains within safe limits, helping to maintain animal health and reduce stress.




Trio integrates seamlessly with feeding, watering, lighting, and weighing systems, allowing for comprehensive farm management.

# Durability, energy monitoring, and cost-effectiveness

**User-friendly interface**
10-inch touch display that simplifies daily operations. The graphical interface is easy to learn, reducing the training time required for new users. It also provides self-explanatory installation and operational guidance, minimizing the potential for errors.

**Alarm management**
Customizable alarm settings help you monitor critical factors across your farm, including temperature, humidity, CO2, and ammonia levels. Receive real-time alerts to quickly address issues, ensuring a safe and stable environment for your animals while minimizing risk to your operations.

**Loadable control profiles**
Make quick adjustments based on specific farm needs, such as seasonal changes or production goals. This functionality ensures that your farm remains optimized throughout the year.

**IP65-rated enclosure**
Dust-tight, waterproof, and designed to withstand harsh farm environments. Integrated electromagnetic interference immunity and surge protection safeguard the system from power surges or external environmental factors, ensuring reliable operation in even the toughest conditions.

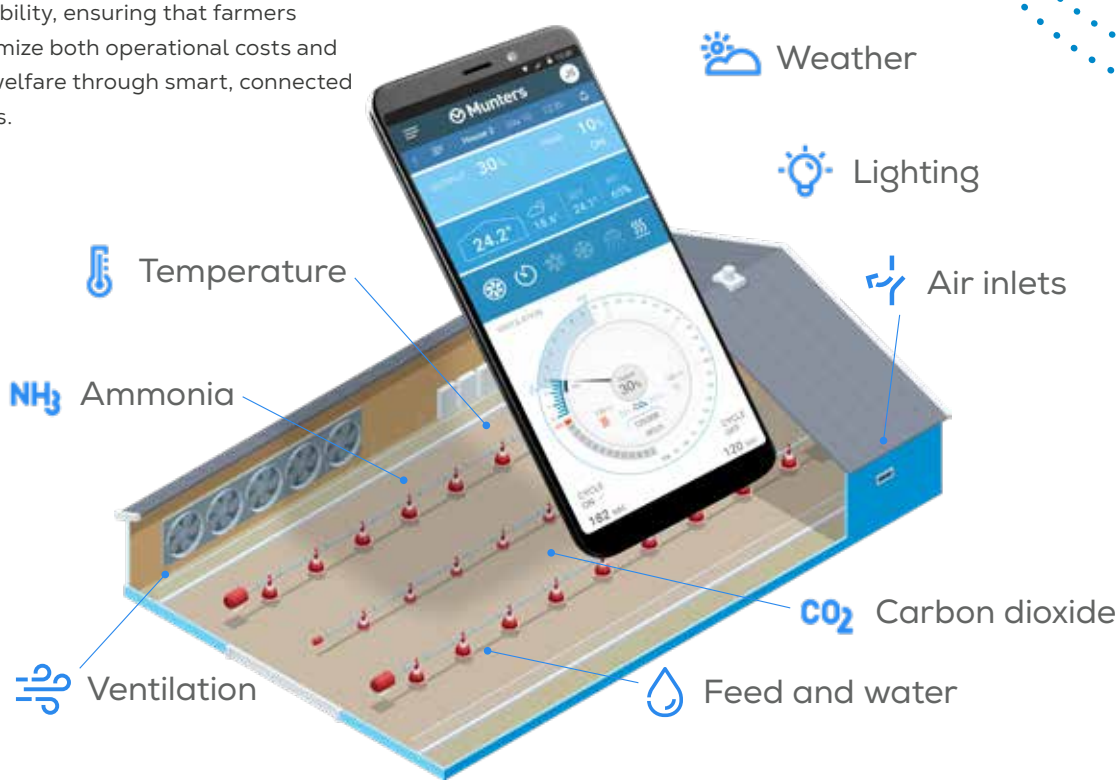
## Remote access and user-friendly design

Trio's cloud-based remote access through Trio Air allows you to control and monitor farm operations from anywhere using a smartphone, tablet, or desktop. With real-time notifications and alarms sent via text message, push notifications, or voice calls, you can stay connected to your farm, no matter where you are.

This proactive management helps prevent downtime and allows for quicker responses to potential issues, improving efficiency and productivity.

# The ultimate tool for poultry farm management

Rotem Trio offers precision, efficiency, and flexibility, ensuring that farmers can optimize both operational costs and animal welfare through smart, connected solutions.




## Cold and temperate climate examples

| | Total outputs | Exhaust fans | Tunnel fans | Tunnel/ inlet doors | Cooling/ cooling pads | Heaters | Other |
|---|---|---|---|---|---|---|---|
| Trio + Relay Box 70 | 50/60/70 | 10 | 12 | 8 | 4 | 16 | 20 |

## Hot climate examples

| | Total outputs | Exhaust fans | Tunnel fans | Tunnel/ inlet doors | Cooling/ cooling pads | Heaters | Other |
|---|---|---|---|---|---|---|---|
| Trio + Relay Box 70 | 50/60/70 | 16 | 16 | 10 | 4 | 6 | 18 |

The above equipment configuration is for example only and might vary depending on the local control environment

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556 Industrial Way West Eatontown NJ 07724 • (732) 363-2333
info@diversifiedAg.com • www.diversifiedag.com