

Temp Climate Controller

Design Professional Climate System For Livestock

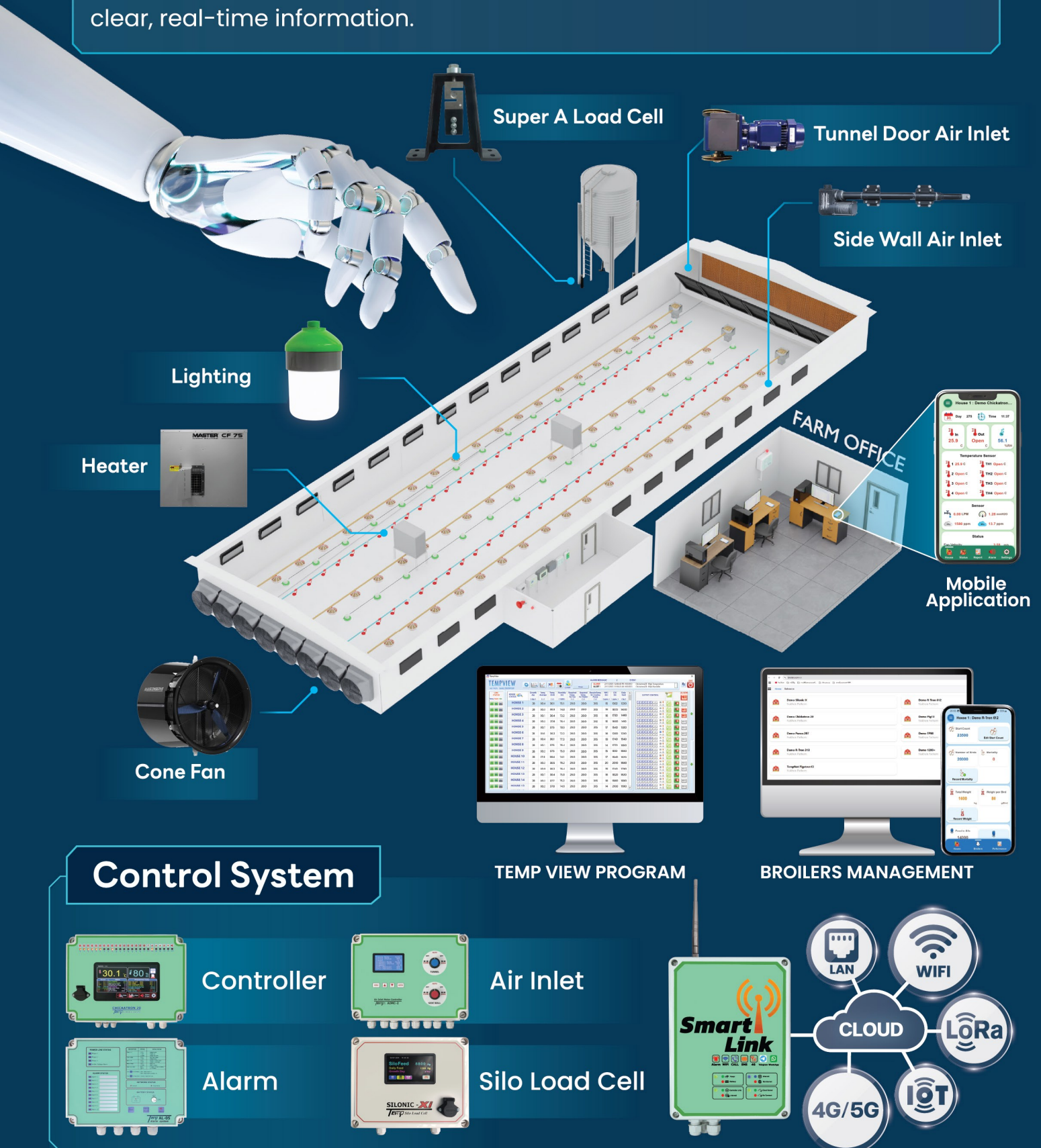


SMART CLIMATE CONTROL SOLUTION FOR LIVESTOCK

Controllers, sensors, and software designed to help farmers manage farms more easily and efficiently.

COMPLETE FARM CONTROL SYSTEM

Our smart agriculture solutions are designed to create the right environment for livestock. Temp Climate Controller helps farmers improve productivity, reduce losses, and manage farms more easily with automatic control and clear, real-time information.



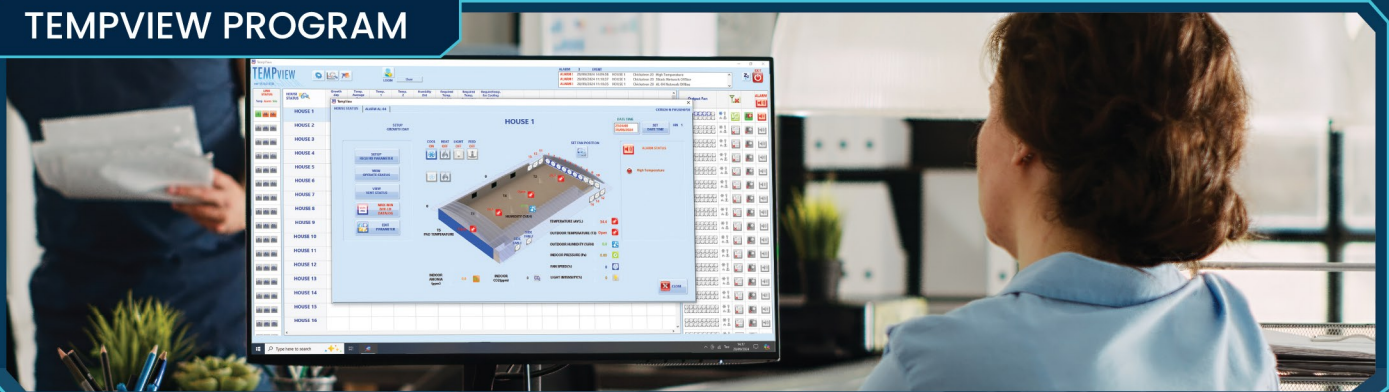
ANYWHERE , ANYTIME FARM MONITORING

SMARTLINK MOBILE APP



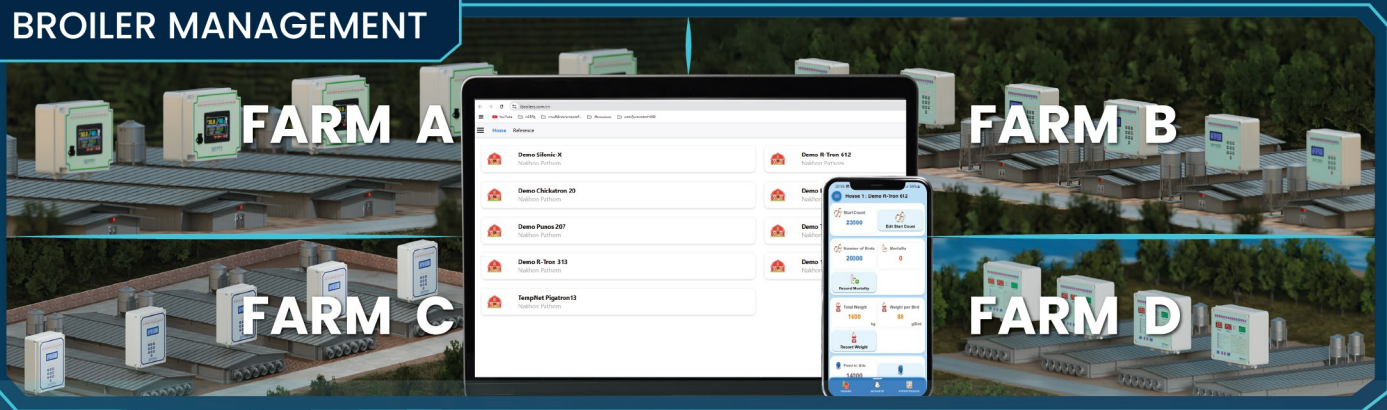
SmartLink allows farmers to monitor and control their farms remotely. Receive instant alerts via Telegram, WhatsApp, SMS, or phone calls. Stay informed, respond quickly to issues, and manage farm conditions easily from anywhere.

TEMPVIEW PROGRAM



TempView is a PC program that helps farmers monitor and manage climate conditions across all houses in one place. It displays temperature, humidity, and system status clearly, sends real-time alerts, and supports better decisions for smooth farm operation.

BROILER MANAGEMENT



Access a clear overview of your poultry farm, with detailed data available for each house. Monitor key information such as temperature, humidity, and flock performance. Automatic FCR calculation helps farmers evaluate performance and improve production efficiency.

TP SERIES & WATER LEVEL ALARM

TP20



SENSOR INPUTS



Temperature Sensor 1 Set



Humidity Sensor 1 Set

RELAY OUTPUTS



1 Cool

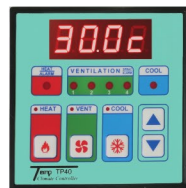


1 Alarm

KEY FEATURES

- Step-based ON/OFF temperature control
- Supports basic temperature and humidity monitoring
- Provides alarm protection for farm safety

TP40



SENSOR INPUTS



Temperature Sensor 1 Set



Humidity Sensor 1 Set

RELAY OUTPUTS



4 Fan



1 Cool



1 Heat / 1 Alarm

KEY FEATURES

- Step-based ON/OFF temperature control
- Supports temperature and humidity monitoring
- Minimum ventilation ON/OFF control (single fan)
- Variable fan speed control for inverter fans

TP54



SENSOR INPUTS



Temperature Sensor 1 Set



Humidity Sensor 1 Set

RELAY OUTPUTS



4 Fan



1 Cool



1 Spray (OPT)



1 Heat



1 Alarm

KEY FEATURES

- Step-based ON/OFF temperature control
- High-Low temperature alarm, and high humidity alarm
- Minimum ventilation ON/OFF control (single fan)
- Variable fan speed control for inverter fans

TP80 INV



SENSOR INPUTS



Temperature Sensor 2 Set



Humidity Sensor 1 Set

RELAY OUTPUTS



10 Fan



1 Cool



1 Heat



1 Alarm

KEY FEATURES

- Step-based ON/OFF temperature control
- High-Low temperature alarm, and high humidity alarm
- Minimum ventilation ON/OFF control (Single fan)
- Variable fan speed control for inverter fans

Water Level Alarm Monitor & Water Level Sensors

WAM 64

RELAY OUTPUTS



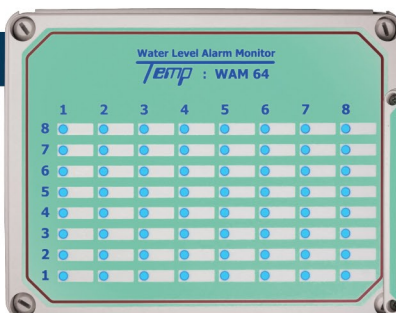
Alarm 1 Set



AUX 1 Set

KEY FEATURES

- Supports up to 64 water level indicators for clear and accurate monitoring
- Built-in LED lights and sound alarm for easy status checking
 - Blue light (no alarm): Water has reached the set level
 - Red light with alarm: Water level is too low
- Compatible with 1 to 4 water level sensors (WLS16)
- Allows farmers to choose the number of sensors based on tank or column layout



WLS 16

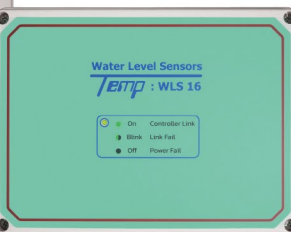
SENSOR INPUTS



Water Level Sensor 16 Set

KEY FEATURES

- Detects water level accurately for farm water line
- Works with pin-type water level sensors (Electrode Water Level Sensors) that detect water level based on water conductivity.
- When the water reaches the electrode, the system detects the level and sends a signal to the Water Level Alarm Monitor (Temp: WAM 64).
- Selectable columns – activate only the columns needed for your setup
- Selectable water levels – monitor only the water levels you want



R-TRON SERIES

R-TRON



SENSOR INPUTS



Temperature
Sensor 4 Set



Humidity
Sensor 1 Set



Water Meter
Sensor 1 Set



Temperature / CO₂
Sensor (OPT)

RELAY OUTPUTS



12 Fan



2 Cool



1 Heat



1 Light



1 Feed
(OPT)



1 Alarm

KEY FEATURES

- Step-based ON/OFF temperature control
- High-low temperature alarm, high humidity alarm, and high CO₂ alarm
- Minimum ventilation ON/OFF control using all fans
- Variable fan speed control for inverter fans

R-TRON 313



SENSOR INPUTS



Temperature
Sensor 2 Set



Humidity
Sensor 1 Set

RELAY OUTPUTS



8 Fan



1 Cool



1 Spray (OPT)



1 Heat



Light / Feed

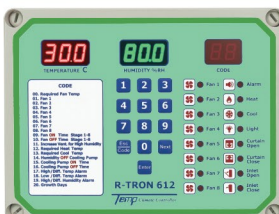


1 Alarm

KEY FEATURES

- Step-based ON/OFF temperature control
- High-Low temperature alarm, and high humidity alarm
- Minimum ventilation ON/OFF control (3 fans)
- Variable fan speed control for inverter fans
- Dimmable lighting control (dimmer)

R-TRON 612



SENSOR INPUTS



Temperature
Sensor 4 Set



Humidity
Sensor 1 Set



Water Meter
Sensor 1 Set



Feed Counter
Sensor 1 Set

RELAY OUTPUTS



8 Fan



1 Cool



1 Heat



1 Light



Tunnel Door
Air Inlet



Side Wall
Air Inlet

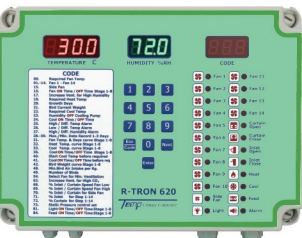


1 Alarm

KEY FEATURES

- Temperature curve control with 8 stages for fans, heaters, and cooling systems
- High-Low temperature alarm, and high humidity alarm
- Minimum ventilation ON/OFF control (3 fans)
- Variable fan speed control for inverter fans
- Dimmable lighting control (dimmer)

R-TRON 620



SENSOR INPUTS



Temperature
Sensor 4 Set



Humidity
Sensor 1 Set



CO₂
Sensor 1 Set



NH₃
Ammonia
Sensor 1 Set



Static Pressure
Sensor 1 Set



Feed Counter
Sensor 1 Set



Water Meter
Sensor 1 Set

RELAY OUTPUTS



14 Fan



1 Side Fan



1 Cool



1 Spray
(OPT)



1 Heat



1 Light



1 Feed



Side Wall
Air Inlet



Tunnel Door
Air Inlet



1 Alarm

KEY FEATURES

- Temperature curve control with 8 stages for fans, heaters, and cooling systems
- Timer ON/OFF control for lighting and feeding (8 stages)
- High-Low temperature alarm, high humidity alarm, high ammonia alarm, and high CO₂ alarm
- Minimum ventilation ON/OFF control (3 fans)
- Variable fan speed control for inverter fans
- Dimmable lighting control (dimmer)
- Supports summer and winter operation with Tunnel and Transition modes

TEMP SERIES

PIGATRON 13



SENSOR INPUTS



RELAY OUTPUTS



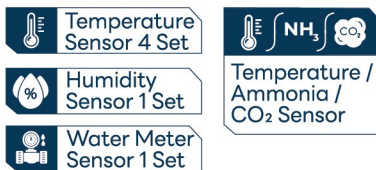
KEY FEATURES

- Temperature curve control with 15 stages for fans, heaters, cooling, and spray, matched to pig growth periods
- High-Low temperature alarm, high humidity alarm, high ammonia alarm, and high CO2 alarm
- Ventilation Treatment function controlled by temperature, humidity, CO2, and ammonia levels
- Variable fan speed control for inverter fans
- Dimmable lighting control (dimmer)

CHICKATRON 13



SENSOR INPUTS



RELAY OUTPUTS



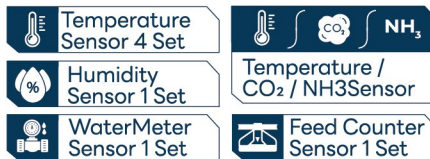
KEY FEATURES

- Temperature curve control with 15 stages for fans, heaters, cooling, and spray, matched to each growth period
- High-Low temperature alarm, high humidity alarm, high ammonia alarm, and high CO2 alarm
- Ventilation Treatment function controlled by temperature, humidity, CO2, and ammonia levels
- Variable fan speed control for inverter fans
- Dimmable lighting control (dimmer)

1200 PLUS



SENSOR INPUTS



RELAY OUTPUTS



KEY FEATURES

- Temperature curve control with 15 stages for fans, heaters, cooling, and spray, matched to each growth period
- High-Low temperature alarm, high humidity alarm, high ammonia alarm, and high CO2 alarm
- Ventilation Treatment function controlled by temperature, humidity, CO2, and ammonia levels
- Variable fan speed control for inverter fans
- Dimmable lighting control (dimmer)

CHICKATRON 20

Multi-Sensor Integration



4 Temp



1 Humidity



1 CO₂



1 Ammonia



1 Static Pressure



1 Water Meter

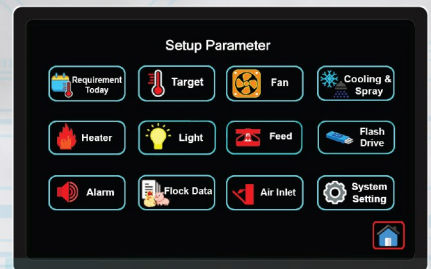


1 Feed Counter



"Smarter Climate Control Bester air quality with less daily adjustment"

Main menu



All climate, lighting, feeding, and alarm settings are organized in one place for quick and convenient setup
Fan , Cool , Heat , Light , Feed

RELAY OUTPUTS

16 Fan



2 Side Fan



1 Cool



1 Spray



4 Heat



1 Light



1 Feed



Side Wall Air Inlet



Tunnel Door Air Inlet



1 Alarm



Features



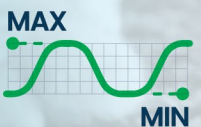
Network System Available

Access and monitor your farm using SmartLink or TempView via mobile app and PC.



FCR Calculation and Data Logging

Automatically records farm data and calculates FCR in real time.



Smart Duration Control

Automatically controls run time of fans to maintain a stable temperature.



Environmental Treatment Program

Automatically manages CO₂ and ammonia levels to maintain healthy air quality.



Advanced Lighting and Feeding Control

Dimmable lighting programs using a dimmer with up to 24 steps, and LED lighting and feeding programs with up to 40 steps.



SILONIC-Xi

SILO MONITORING SYSTEM

Silonic-Xi monitors feed levels in real time, records daily consumption, generates clear reports, and sends low-feed alarms for timely refilling reducing manual work and supporting remote monitoring.

Total Feed Weight



Shows how much feed is left in each silo. Supports up to two silos per unit.

Main Menu



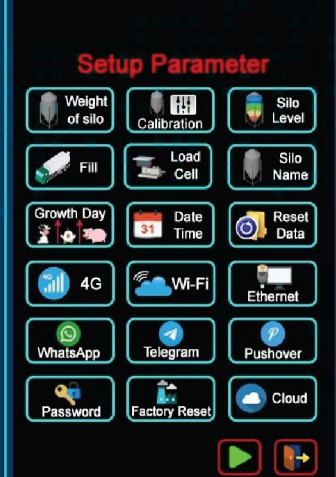
Records and displays daily feed consumption and remaining feed in the silo

Low Feed Level Alarm



Triggers an alert when feed in the silo drops below the set minimum level.

Menu Setup Parameter



Quick access to essential settings and operating values.

Filling Record

FILL	4500 Kg	Start	Stop
Date - Time	Day	Before Fill	After Fill
04-07-20 09:00	3	5500	10000
03-07-20 09:00	2	4500	9500
02-07-20 09:00	1	2500	7500
01-07-20 09:00	0	0	5000

Records each feed refill automatically.

Individual Loadcell Weight

Silo A	Weigh Kg.	Silo B	Weigh Kg.
A1	298.0	B1	2015.3
A2	302.5	B2	1989.8
A3	305.8	B3	2008.7
A4	293.7	B4	1986.2
A5	0.0	B5	0.0
A6	0.0	B6	0.0
A7	0.0	B7	0.0
A8	0.0	B8	0.0

Ensures accurate weighing over long-term use

Feed Consumption History

Date - Time	Day	Daily(kg)	Total(kg)	Balance(kg)
04-07-20 06:00	2	4000	9500	5500
03-07-20 06:00	1	3000	5500	4500
02-07-20 06:00	0	2500	2500	2500

Built-in data logging automatically records daily feed consumption.

SUPERA

LOAD CELL STAND

Heavy-duty mounting stand designed to support silos using the Silonic-Xi weighing system. Allows easy load cell installation under silo legs, with no major silo modification and no crane required.

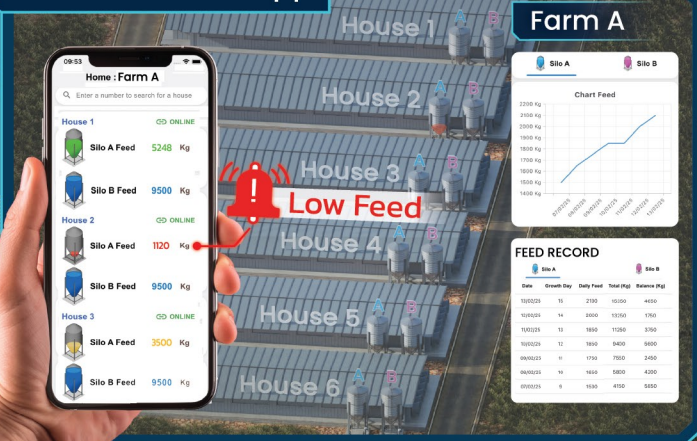


SILO CONNECT

MOBILE APPLICATION & WEB DASHBOARD

Monitor feed levels, track consumption, and manage multiple farms anytime, anywhere.

Silo Feed Mobile App

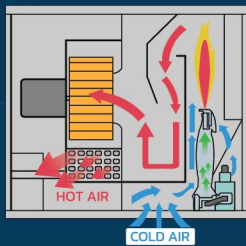


Silo Feed Management Dashboard



CF 75

MASTER HEATER DIRECT GAS FIRED AIR



KEY FEATURES

- ✓ Can be placed on the floor or mounted to the ceiling
- ✓ Sealed motor for safe operation in dusty farm environments
- ✓ Galvanized steel combustion chamber for long service life
- ✓ Suitable for indoor and outdoor farm use
- ✓ Reliable twin spark ignition system
- ✓ Supports natural gas or LPG
- ✓ Overheat protection thermostat
- ✓ High-efficiency heat exchanger
- ✓ Durable galvanized steel body

Specifications	Units	CF75 SPARK
Heating power	kw	75
	Btu/h	255,900
	kcal/h	64,500
Air flow	m ³ /h	2,100
Fuel consumption (LPG)	m ³ /h	2.3

HT-04

HEATER CONTROLLER



SENSOR INPUTS



RELAY OUTPUTS

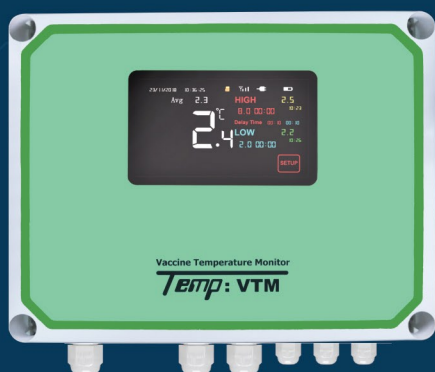


KEY FEATURES

Controls heater operation directly based on the temperature set on the HT-04 device. When connected to Chickatron 20, the controller follows user-defined temperature settings from the Chickatron 20 to automatically manage heater operation.

VTM

VACCINE TEMPERATURE MONITOR



KEY FEATURES

- Easy monitoring with LCD touchscreen display
- Records daily highest and lowest temperatures with time reference
- Automatic notifications and reports via LINE or SMS (optional)
- Power failure alarm when the power supply is interrupted
- Wide temperature monitoring range from -20°C to +70°C
- High and low temperature alarm with siren (optional)

H series Bulb LED

DIMMABLE DUAL-COLOR LED LIGHT



FEATURES

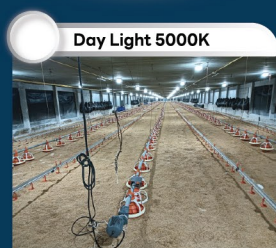
- PC cover light transmittance >92%
- Three years of yellowing rate <3%
- DC power Free flicking
- 0-100% infinite dimming
- High luminous efficiency 190 lm/W
- Three years of light decline <10%
- LM80 LED chip
- Aluminum radiator
- IP67 Patent
- Waterproof design
- Unique circuit design
- More uniform brightness



Waterproof



Flame Retardant



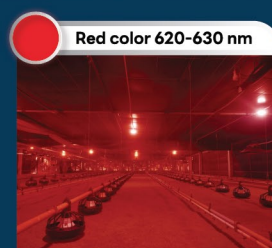
Day Light 5000K



Warm White 3000K



Blue color 450-455 nm



Red color 620-630 nm

T5&T6 Tube LED

T5

1.2m



1.4m

T6

1.8m



2.3m

	Model	Power	Input Volt	Lamp color	LM	Length	CRI	LIP grade	Dimming
T5	VP-FT51405DC48-30K	5W	48VDC	3000K	750LM	1.4M	>80	IP67	0-100%
	VP-FT51405DC48-30KR			3000K/Red					
	VP-FT51405DC48-50K			5000K					
	VP-FT51405DC48-50KB			5000K/Blue					
T6	VP-FT61809DC48-30K	9W	48VDC	3000K	1350LM	1.8M	>80	IP67	0-100%
	VP-FT61809DC48-30KR			3000K/Red					
	VP-FT61809DC48-50K			5000K					
	VP-FT61809DC48-50KB			5000K/Blue					

AIR INLET CONTROL SYSTEM



Detail

AIMC-2 provides an effective solution for controlling ventilation components such as side wall air inlets and tunnel door air inlets, working directly with air inlet actuator drives and tunnel door gear motors.

AIMC-2 & MOTOR GEARS



Tunnel Door/Air Inlet Gear Motor Drive Unit

- 0.37 kW single-phase motor (220 VAC, 50 Hz)
- Gear motor speed: 5.6 RPM for smooth door movement
- Open/close control for tunnel door air inlet
- Built-in position feedback (potentiometer) for accurate door positioning



Side Wall Air Inlet Actuator Drive Unit

- Single-phase power supply (220 VAC, 50 Hz)
- Open/close control for side wall air inlet
- Built-in position feedback (potentiometer) for accurate inlet positioning



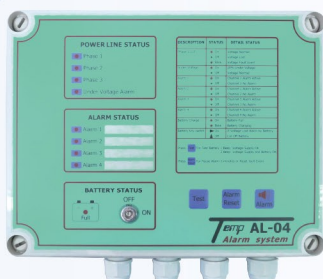
AIC-2

Detail

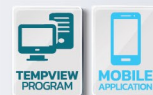
- AIC-2 is a motor controller for air pressure control curtains, helping maintain proper air pressure inside the poultry house.
- It features a built-in display and control buttons, and can control up to two motors.

ALARM

“Protect Your Farm Before It’s Too Late”



AL-04



• Power Line Status

Monitors 3-phase power supply and alerts when power failure or overload occurs

• Alarm Status

Monitors alarm status for up to 4 channels, such as



Warning!
Temp control error



Warning! Water
pump overload



Warning!
Fan overload



Warning!
Water level low

Features



Immediate alarm with
issue identification and location

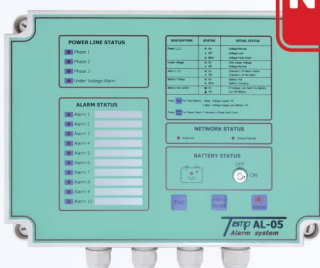


Sending issue status and
diagnosis to the TempView
program at the farm office.

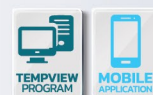


Call and sending message
notifications to the set-up
farm administrator, up
to 5 users. (Optional)

NEW



AL-05



• Power Line Status

Monitors 3-phase power supply and alerts when power failure or overload occurs

• Alarm Status

Monitors alarm status for
up to 10 channels
such as:



Warning!
Temp control error



Warning! Water
pump overload



Warning!
Fan overload



Warning!
Water level low



Warning!
Rear cabinet alarm



Warning!
Breaker is OFF



Warning!
Voltage error



Warning!
Feed system error

EGG COUNTER MONITOR

Temp EGG-C12



SENSOR INPUT

- Egg Sensor 12 Set
- Feed Counter 2 Set
- Water Meter 6 Set
- Floor In 8 Set

KEY FEATURES

- Real-time egg counting using sensors
- Reduce labor errors
- Optimize egg production planning and farm management
- Works with iLayer software for feed and egg performance analysis



Mark 5

Temp EGG-Ai1



- AI-powered egg counting system



- Supports cloud-based connectivity



- Supports efficient production planning



- Lower maintenance and higher reliability

Essential Farm Monitoring Sensors

TEMPERATURE SENSOR Model : E0103



- Temperature Range : -20 to +70 °C
- Accuracy : ±1 %
- Deviated Value ±1.0%

HUMIDITY SENSOR Model : HHS1030



- Input Voltage : 8-24 VDC
- Output Voltage : 1-3 VDC
- Humidity Range : 0-100 %RH
- Accuracy ±5%

FAN DELAY TIMER Model : TIC 60



- Solidstate OFF Delay
- Timer 5-60 Second
- Din rail

STATIC PRESSURE SENSOR Model : SP0010R



- Input Voltage : 12 VDC
- Output Voltage : 0-10 VDC
- Pressure Range : 0-200 Pa

CO2 SENSOR Model : CO2-05



- Input Voltage : 12 VDC
- Output Voltage : 0-10 VDC
- CO2 Range : 0-5,000 ppm

AMMONIA SENSOR Model : AMO10



- Input Voltage : 12 VDC
- Output Voltage : 0-10 VDC
- Ammonia Range : 0-100 ppm

PHASE PROTECTION : PVM-4



- Phase Lost Alarm
- Phase Sequential Alarm
- Under/Over Voltage Alarm
- Voltage Unbalance

WATER METER



- Pulse Signal 1 or 10 Liter/Pulse.
- Port Size 1"



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Temp Climate Controller

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