

## TC-PRO Specifications

| FEATURES                                   | TC-PRO   | TC-PRO PLUS                       |
|--|----------|-----------------------------------|
| Full colour touch screen display           | ✓        | ✓                                 |
| No. of relays                              | Up to 10 | Up to 10                          |
| Data export (USB port)                     | ✓        | ✓                                 |
| Password security                          | ✓        | ✓                                 |
| Alarm                                      | ✓        | ✓                                 |
| No. of fans                                | Up to 6  | Up to 5                           |
| No. of heater                              | 1        | 1                                 |
| Air inlet                                  | -        | Either air inlet or curtain inlet |
| Inlet curtain                              | -        | -                                 |
| Temperature monitor (3 inside + 1 outside) | ✓        | ✓                                 |
| Cooling pad                                | ✓        | ✓                                 |
| Light timer                                | ✓        | -                                 |

### Add-on Features

\*Expansion box (additional 10 relays), silo weigher and digital inputs for humidity transmitter, CO<sub>2</sub> sensor and bird weigher are optional.



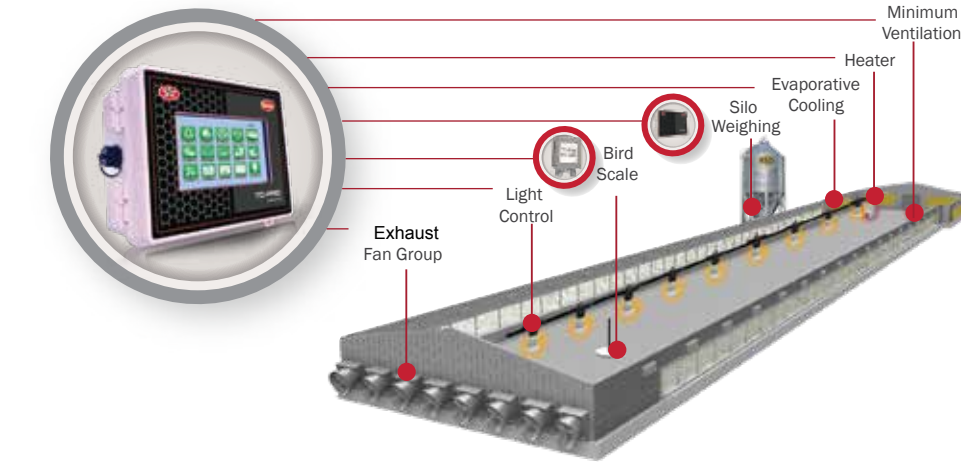
## TC-PRO Series Controller

- Climate control
- Silo weighing
- Bird weighing

## TC-PRO MODELS

The TC-PRO Series comes with 2 different models: TC-PRO and TC-PRO Plus. It also allow some add-on options such as Expansion Box, CO<sub>2</sub> Sensor, Humidity Transmitter and more. With these available options, farmers can now choose the controller based on their farm house requirements.

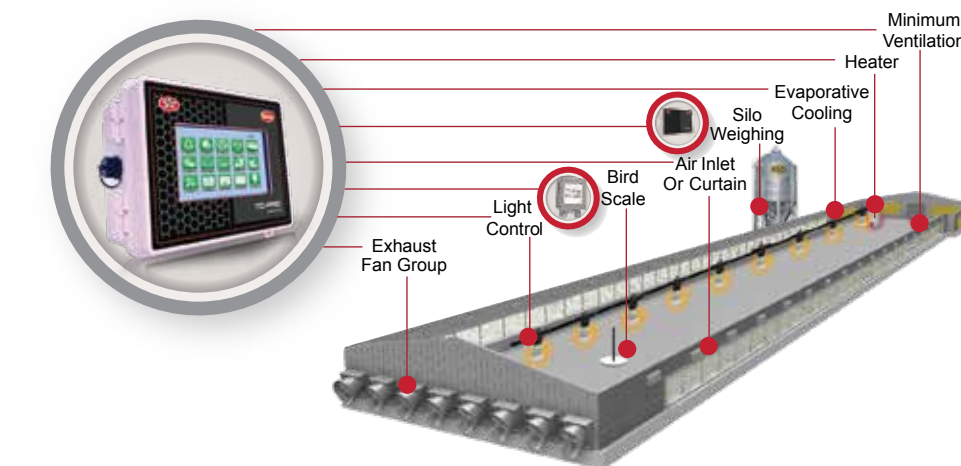
### TC-PRO



#### Functions:

- 6 fan groups including 1 minimum ventilation group with on/off timer
- 1 heater
- 1 cooling with on/off timer
- 1 alarm for high/low temp
- 1 light timer

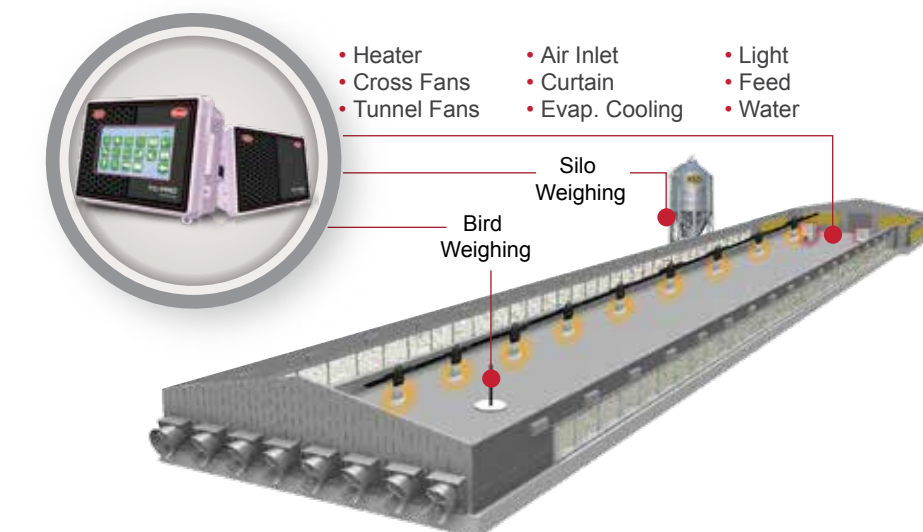
### TC-PRO Plus



#### Functions:

- 5 fan groups including 1 minimum ventilation group with on/off timer
- 1 heater
- 1 cooling with on/off timer
- 1 alarm for high/low temp
- 1 air Inlet or inlet curtain

### TC-PRO + Expansion Box (additional 10 relays)



#### Functions:

- 9 fan groups including 1 minimum ventilation group with on/off timer
- 3 heaters
- 1 cooling with on/off timer
- 1 inlet curtain
- 1 air inlet
- 1 light timer
- 1 feed timer
- 1 alarm for high/low temp
- Temperature reduction curve
- Minimum ventilation curve
- 3 stage climate control :
  - cross ventilation
  - transition ventilation
  - tunnel ventilation



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## More Than Just A Climate Controller

The TC-Pro is a generation of farm controllers ideally built for accurate farm house climate controls. However, the TC-Pro can do more than just controlling the environment. It has the ability to handle multiple control applications, such as monitoring and managing the feed system and livestock growth with its additional relay options.

Throughout your livestock's growing stages, you can be in control in monitoring and managing the ventilation system, farm house environment, lighting, and more with the TC-Pro.



## Features



### Full Colour Touchscreen

Navigation at its simplest form with a 7 inch colour touchscreen allowing full control under your fingertips. With this user friendly digitalized concept, it gives easy accessibility to users, whilst being able to operate the device efficiently.



### Information at a Glance

Data monitoring and management is so easy with the TC-Pro. Everything you need to know is on the screen right in front of you and ready for your navigation. It provides notifications that give you real-time status of your entire operation.



### Security

Although this device has easy accessibility, it also consists of a password security system that prevents tampering by unauthorized personnel.



### Data Export

Being able to store and backup your data will benefit you in the long run. It allows farmers to study, understand and compare data from different time lines to observe areas that can be improved upon or maintained.



### Data Analysis

The data generated and collected from the system can be a very valuable business management tool. With a data analysis feature, you can now set benchmarks, produce customized reports, view history of data, and ultimately discover areas that can be improved.



### Multiple Inputs

Controlling the environment of your farm house is just the essence of this controller; with the availability of multiple inputs, you can monitor and manage the humidity, CO2 sensor, bird weight, and feed silo weight.



### Alarm System

The TC-Pro's effective alarm system will immediately notifying farmers of errors happening in the farm house immediately. This will allow farmers to take immediate action on such errors and any other malfunctions happening in the farm house; thus preventing any damage on loss of livestock.



### Inlet Curtain and Air Inlet Control

Opening and closing your farm's inlets has never been so easy, until now. With the option of air inlet/curtain inlet control, farmers can now control the curtain position with ease at the press of a button.



### Feed Management

The TC-Pro also comes with an option for silo weighing. You can now monitor the feed weight with ease and at the same time, analyze the feed consumption of your livestock. The silo weigher is capable of monitoring up to 4 silos.



### Growth Management

Monitoring birds growth can be tricky at times without the right equipment. With our bird scale feature, farmers can monitor the bird's weight at a timely basis. Analyzing your birds growing curve has never been so easy.



### Service and Support

GSI is more than an equipment supplier, we are a team, working alongside producers for over 25 years providing equipment inspired by your needs and designed to work as hard as you do. From feeding and ventilation, to alarms and controls, we have everything you need maximize your production opportunities and every aspect of your business. Whether you are building a new project or looking to upgrade your current facilities, GSI consist of proven and dependable solutions to meet your every need.

## TC-PRO ADD ON OPTIONS

### Expansion Box

The TC-PRO Expansion Box provides additional 10 relays. It heightens the abilities of the TC-PRO to control a wider range of farm house equipment. This expansion box comes in handy when operating a bigger farm house where more fans, inlets and heaters are needed.



### Humidity Transmitter

This reliable electronic device is designed to perform in harsh agricultural environments. The sensor compensates for temperature to measure the correct relative humidity readout over a wide range temperature span.



### Silo Weigher (Up to 16 load cells)

Our load cell is a high accuracy shear beam device. All our cells are precision tested and certified to meet all the exacting requirements and able to work perfectly in any harsh farm environment. It is an ideal load cell for silo/bin weighing, platform scales and hoppers.



### Bird Weigher

TC-PRO bird weigher is a stand alone electronic bird weigher for up to 4 hanging weighing plates

Each plate will give the following information :

- Average weight of the flock
- Number of weighing
- Standard deviation
- Coefficient of Variation
- Uniformity graph with 25 gram step
- Grow curve with reference curve
- Flock age



### CO2 (Carbon Dioxide) Sensor

Carbon Dioxide Sensor accurately monitor the CO2 concentration inside farm house to help achieving an optimal livestock growing environment. Its cast aluminum housing was designed for harsh environments making it ideal for animal husbandry.

