

# Columbus

a round controller for a round world

## AGM10 Advance



A Technocon Company  
ENGINEERING LTD

The Columbus AGM 10 Advance climate controller is an advance easy to use 10 stage controller developed specially for poultry raising .

The Columbus have a color touch screen for easy operation with help of its ICON operation system .

The Columbus can operate the Heater, Minimum ventilation, Tunnel ventilation total 5 fan stage, Air inlet / Cooling curtain and Cooling .

The Columbus have option for silo weighing , Bird weighing , Co2 control as well humidity control.

The Columbus have a automatic temperature reduction curve and a weight curve for automatic calculation of the minimum ventilation.

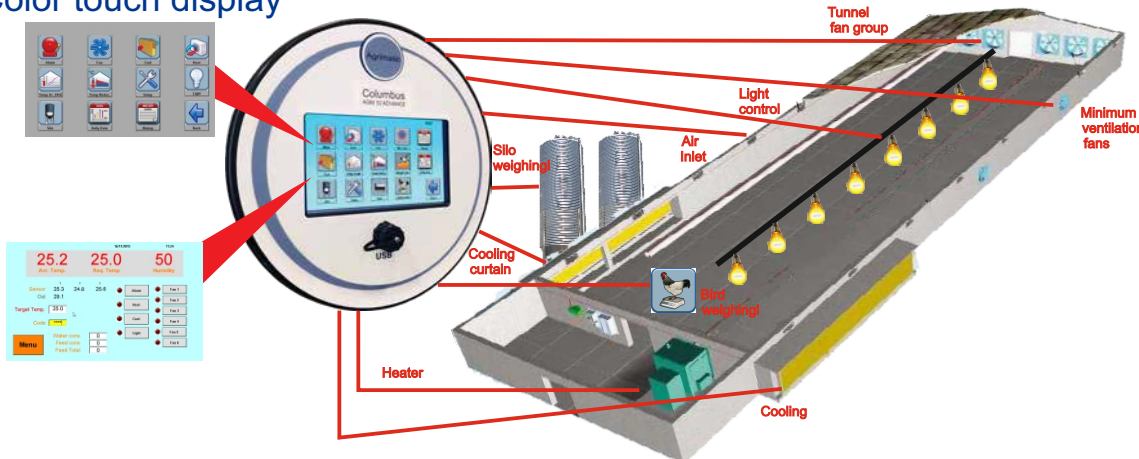
The Columbus have a USB port for transfer of all its set point to other Columbus controller on the farm for easy set up.

The Columbus will collect information as temperature, humidity, water consumption, feed consumption. ( option bird weighing silo weighing)

The Columbus will show the collect info for the whole growing period in table and graphs on its color display.

The Columbus display can be translated into any languish.

### Color touch display



The Columbus AGM 10 climate controller can be ordered for various application as a OEM product .

To the Columbus AGM10 Advance the following equipment can be connected.

Up to 2 Silo weigher, 2 bird weigher, humidity sensor, Co2 sensor, Static pressure sensor.

## Columbus AGM 10 Advance

The Columbus AGM 10 Advance climate controller have the following function:

1 Heater, 5 Fan group, 1 Cooling, 1 Air inlet or cooling curtain 1 Alarm for high and low temperature.

The first group is the minimum ventilation group include a on/off timer calculated according to a weight curve.

It is possible to set that the minimum fan group will rotate between the 5 fan group so each time another fan group will be the minimum ventilation group to give a even air flow in the house.

The Cooling have a on/off timer, If a humidity sensor is connected it is possible to stop the cooling when the humidity is high by a set point. If the humidity is over a humidity set point a additional fan will be activated.

An automatic temperature curve will deduct the requested temperature for the whole growing period.

A automatic weight curve will calculate the minimum ventilation timer and add more fans if needed for the minimum ventilation.

The position of the air inlet or cooling curtain can be set for each fan step in %.

The Air inlet/ cooling curtain will move to each new position according to the fan operate in the house.

### Columbus AGM 10 Technical specification

- 110 to 260 volt operation.
- 4 analog input for temperature sensor.
- 3 digital input for water count feed count feed back from inlet.
- 2 0 to 10 volt out for light dimmer and speed control.
- 1 Isolated RS 485 for optional silo weigher.
- 1 RS 485 for additional sensor as Humidity, CO2, Temperature sensors, Static pressure sensor, Bird weigher,
- 1 USB port.

### Columbus AGM 10 Advance output

