TEMPTRON 610

Temptron 610 is an easy to operate climate controller for tunnel ventilated poultry houses.
It is a 10 stage controller with optional output for a variable speed fan regulator.
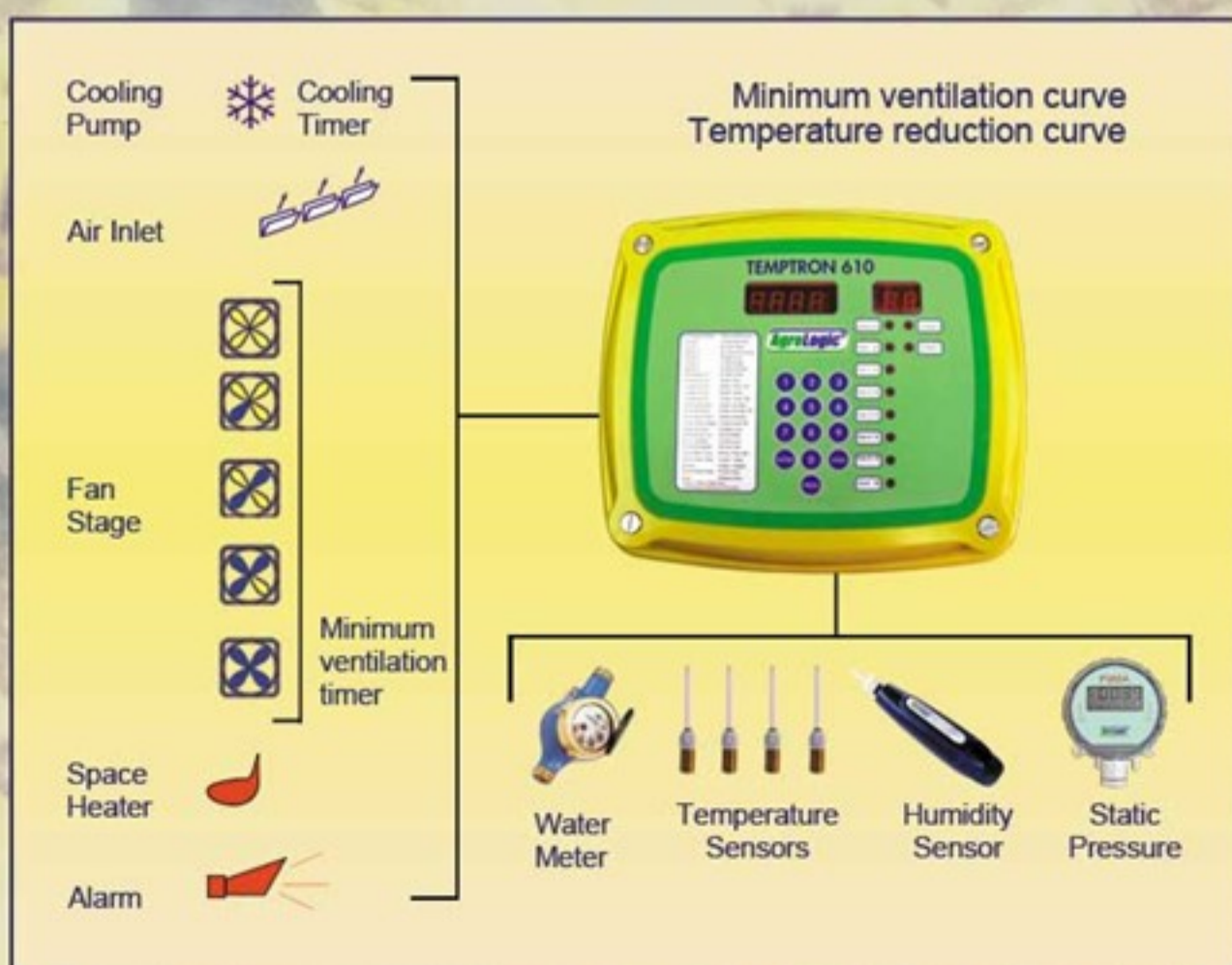**Temptron 610 outputs; 1 heater, 5 fan stages, cooling system, inlet/cool curtain and alarm output.**

Temptron 610 inputs:
6 analog inputs for temperature sensors, humidity and static pressure sensors.
4 digital inputs for water and feed recording and digital feedback for inlet/cooling curtain.
Heating and ventilation are regulated according to the birds' age and weight. Automatic temperature reduction and weight increases curves are standard to help obtain optimum results.

Cooling Pump ❄ Cooling Timer

Air Inlet

Fan Stage

Minimum ventilation timer

Space Heater

Alarm

Minimum ventilation curve
Temperature reduction curve

TEMPTRON 610

Water Meter

Temperature Sensors

Humidity Sensor

Static Pressure

The controller links the air inlets/cooling curtains to the fan groups, either according to programmed fan stages or static pressure control to ensure proper ventilation throughout the growing period.

Temptron 610 operates the minimum ventilation using speed regulation or an on/off minimum ventilation fan timer. Automatic transition from minimum ventilation to maximum tunnel ventilation using its temperature reduction and weight increase curves to calculate the right amount of fresh air needed according to bird's age and weight. Operate the heaters by temperature and cooling system with an on/off timer.
High humidity brings in more ventilation and stops the cooling system.
Built in alarms such as high and low temperature, inlet or cool curtain motor failure, temperature sensor power failure are a standard.
Automatic recording over a 24 hour period for water and feed intake, as well as minimum temperature and humidity readings.

Full PC communication control and down loading of all information to and from the unit by wire or wireless connection.

TECHNICAL SPECIFICATIONS:

POWER SUPPLY: 220V AC
INPUT: 4 analog temperature sensors
1 Humidity sensor 0-10V
4 digital inputs
OUTPUT: 10 dry change over contact max.
220V /2A
DISPLAY: 6 digit 7 segment display
ACCURACY: +/- 0.2°C (1°F) 1%H
ENCLOSURE: IP55
MEMORY: Memory with power fail protection
and non-erasable memory
CALIBRATION: Auto calibration of connected
sensors