



SMART CLIMATE™ CONTROLLERS

Total Environment Management

Integrate all components

- Variable speed fans
- ON/OFF fans
- Heaters
- Misting
- Air Inlets
- Chimney Dampers
- Heat Mats and Lamps
- Alarms
- Hi-Lo Temperature
- Heater Run Time
- Water Consumption
- Relative Humidity Probe
- Static Pressure Compensation



Available models:

Smart Climate 22
(2 variables & 2 ON/OFF)

Smart Climate 24
(2 variables & 4 ON/OFF)

Smart Climate 32
(3 variables & 2 ON/OFF)

Smart Climate 310
(3 variables & 10 ON/OFF)

- Quick lead times.
- Built on proven technology for extremely reliable operation.
- Variable stages with seamless merge feature. When second variable stage starts, the first variable stage can go to minimum.
- Up to 10 ON/OFF stages for fans, heat or misting.
- Two 0-10 volt outputs to operate chimney dampers, air inlets or heating.
- Air inlet output with potentiometer feedback.
- Day & night temperature set points.
- Alarm parameters automatically adjust as the outside temperature changes.
- Short cut keys for quick access to individual settings.
- Outdoor temperature compensation on variable stage bandwidths.
- USB stick for quick setting of multiple controls and for storing settings.
- Indicator lights on control show current operating status for all parameters.



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Fan Stages

- When the first ON/OFF fan stage starts, the second variable fan stage goes to minimum speed. No sudden air flow change as new stages are activated.
- Each stage has its own set point.
- Up to four temperature probes. Shows the daily high and low temperature at each probe for the last 24 hours as well as 6 day history.
- Input for Relative Humidity sensor to safeguard air quality during minimum ventilation:
 - (a) Save on heating costs.
 - (b) Low temperature safety override.



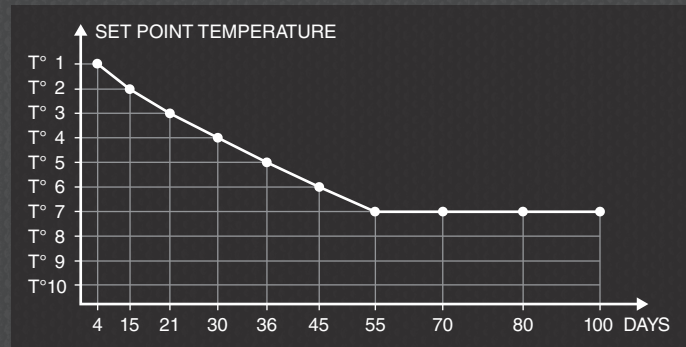
Air Inlets

- Air inlet output with potentiometer feedback allows you to select the precise air flow you want for each fan stage. This provides flexibility to have a high air speed on early stages and to dump air on the last stage.
- Input for optional static pressure compensation.
- Displays % inlet opening.

Heaters

- Any of the ON/OFF stages can be used for heaters.
- Heater run time is shown for the last 24 hours as well as 6 day history. Valuable management information.

Programmable Temperature and Minimum Ventilation Curves



Water Consumption

- Input for water meter.
- Displays water consumption for the last 24 hours as well as 6 day history.
- Programmable alarm when water usage goes above normal.

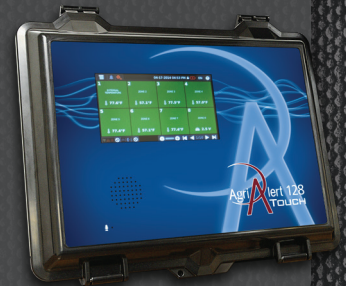


Test Mode

- Use the Test mode to test and check all stage settings without changing the set point.

Alarm

- High and Low temperature.
- Outdoor temperature compensation with the outdoor temperature probe.
- Power failure.



GSI GROUP



GSI Electronics Inc.

5200 Armand-Frappier, St-Hubert (Quebec) Canada J3Z 1G5
 Toll free: 877-926-2777 www.gsi-electronics.com
 gsie_info@agcocorp.com

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