

Weather Station

Broaden your horizons and open a whole new world of information: the great outdoors

The sensors on Wadsworth's Weather Station send valuable exterior climate conditions to the control, allowing for expanded responses that protect the structure and equipment while maintaining an optimal growing environment.



SENSORS

- Temperature – -40°F - 212°F Resolution 0.56°F
- Humidity – 0-100% Non-Condensing, Resolution 0.17%
- Wind Speed – 0-120 MPH Resolution +/- 0.34 MPH
- Wind Direction – 0-360° Resolution +/- 22.5°
- Light – (mW Option) 0-175mW/cm² Resolution 0.2 mW/cm²
– (PAR Option) 0-4000µmol/m²s Resolution 5.0 µmol/m²s
- Precipitation Sensor w/ heater – On/Off (adjustable sensitivity 0-500K Ohm)

FEATURES

- Variable Temperature Lockout on vents limits air exchange during freezing temperatures
- Cold Lockout for cooling equipment protects crops from sudden drops in temperature
- Day/Night Frost settings prevent exhaust fans and shutters freezing in open position
- Day/Night Frost settings for pad pumps prevent pad wall water from freezing
- Wind Speed Restriction uses wind direction and speed to protect roof and side vents
 - Separate leeward and windward settings
- Wind Speed Lockout allow you to select equipment that will not operate without an open vent
- Rain Restriction for roof and side vents protects crop from flooding
- Snow Determination activates gutter heat or uncovers curtain to melt snow

BENEFITS

- Outdoor Reset for boiler systems and heat valves reduces heating demands
- Outdoor temperatures allow heat and cooling retention settings for curtains
- Outdoor light readings determine
 - When curtain should cover
 - Level when supplemental lighting activates
 - Irrigation schedule
 - Accumulated light level to influence night temperature setpoint
 - Influence on day temperature setpoint
 - Influence on day relative humidity setpoint
- Software allows for graphing of weather and equipment information
- Ground or gable mount includes mounting pole and hardware

To find out more call 800.821.5829, email sales@wadsworthcontrols.com
or visit www.wadsworthcontrols.com

 **WADSWORTH**
Control Systems