

Mist Guard

Frost Fighting
Activates mist precisely on time



You could have saved your crops



- High-precision temperature and humidity sensors
- Frost point according to evaporative cooling
- Event logbook

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Ultimate stand-alone controller for anti-frost application

Mist Guard frost fighting features

- Single station valve controller powered by 2 AA alkaline battery.
- Built-in precision temperature and humidity sensors
- Applies chill-factor (evaporative cooling) for frost point detection
- Logs temperature and humidity (min & max), and event logbook

Hardware and software specifications

- Directly drives a latching solenoid (2 or 3 wires) including built-in auxiliary contact (1Amp 30VAC or DC)
- High-precision temperature sensor -50°C (-58°F) to $+50^{\circ}\text{C}$ (122°F), $\pm 0.25^{\circ}\text{C}$ ($\pm 0.45^{\circ}\text{F}$)
- High-precision humidity sensor 0-100%, $\pm 2\%$
- Logs min and max temperature and humidity levels over the last 24-hours
- 480-events logbook includes time and date stamping
- Displays Celsius, Fahrenheit, Relative Humidity and Dew Point readings

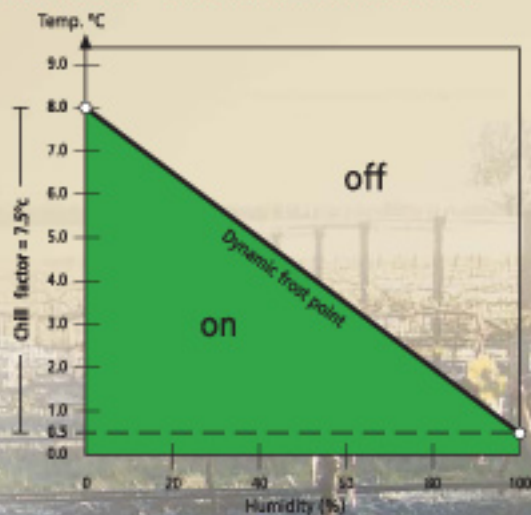
Mist Guard - Chill Factor

- The chill factor provides effective compensation for evaporative cooling effect caused by low humidity during the frost season.
- Chill factor results - the Mist Guard will raise an alarm prior to reaching freezing point.

Example of common setting in vineyards

Frost point in 100% = 0.5°C

Frost point in 0% = 0.5°C + Chill factor (7.5°C) = 8°C



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