APPARENT TEMPERATURE: TEMP./HUM. INDEX

Application Note **7**

Vantage Pro, Vantage Pro2, Vantage Vue, GroWeather, Health & Energy EnviroMonitor Systems

The Temperature-Humidity Index

For the derivation of the temperature-humidity index, see the following article:

Steadman, R.G., 1979. The Assessment of Sultriness. Part I: A Temperature-Humidity Index Based on Human Physiology and Clothing Science. *Journal of Applied Meteorology, July 1979.*

In the article, Steadman assesses and compares the relative "sultriness" or combined effects of high temperature and humidity on physiology in warm-humid climates and hot-arid climates. Steadman then prepares a table of apparent temperature corresponding to summer temperatures and humidities.

To obtain a copy of the article, go to the American Meteorological Society's online journals.

Note: This information may also be used for Perception II and Weather Monitor II Systems that are using WeatherLink.

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For Vantage Pro Stations: #6150, 6150C, 6151, 6151C, 6160, 6160C, 6161, 6161C
For Vantage Pro2 Stations: #6152, 6152C, 6153, 6162, 6162C, 6163
For Vantage Vue Stations: #6250
For GroWeather Stations: #7450, 7450EZ, 7450CG
For EnviroMonitor Stations: #7460, 7460EZ, 7460CE, 7470, 7470EZ, 7470CH