



## Utilities: *Interfacing CWS Weather Stations to DNP3 systems*



CWS's Weather MicroServer offers DNP3 ethernet or serial RS-485 communication to interface CWS weather stations with process automation systems used primarily in utilities such as electric and water companies.

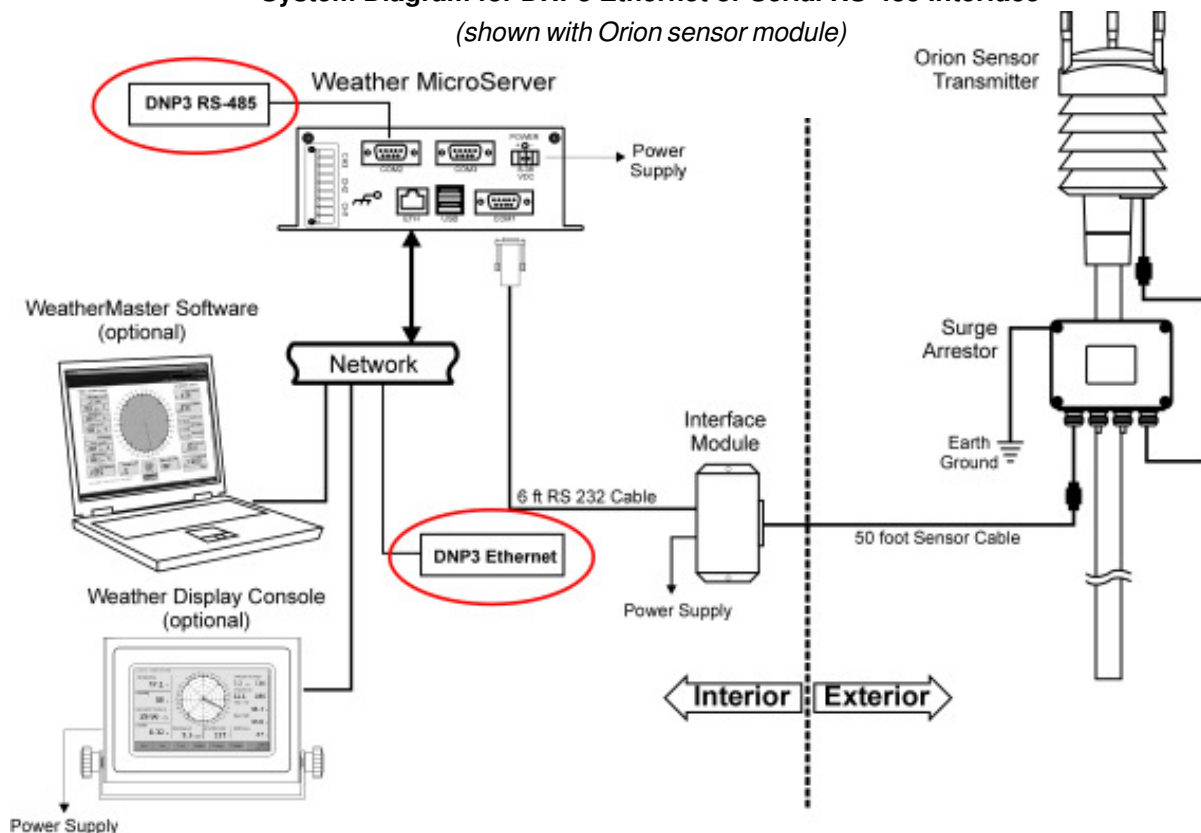
DNP3 was developed for communications between various types of data acquisition and control equipment. It plays a crucial role in SCADA systems where it is used by SCADA Master Stations (aka Control Centers), Remote Terminal Units (RTUs), and Intelligent Electronic Devices (IEDs).<sup>1</sup>

For network setup, please refer to the System Diagram below. The Weather MicroServer offers additional features including additional sensors and monitoring options such as the Weather Display.

**For more information:** Visit <https://ColumbiaWeather.com>  
or contact Columbia Weather Systems (503) 629-0887 or email [info@columbiaweather.com](mailto:info@columbiaweather.com).

### System Diagram for DNP3 Ethernet or Serial RS-485 Interface

(shown with Orion sensor module)



#### Reference:

<sup>1</sup>"DNP3." *Wikipedia: The Free Encyclopedia*. Wikipedia Foundation, Inc., Date last updated (06 March 2017). Web. Date accessed (23 March 2017).