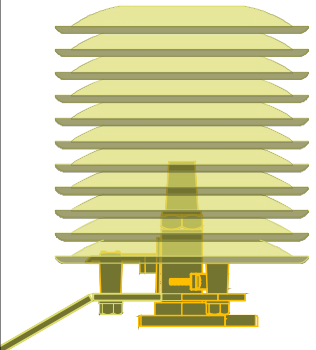
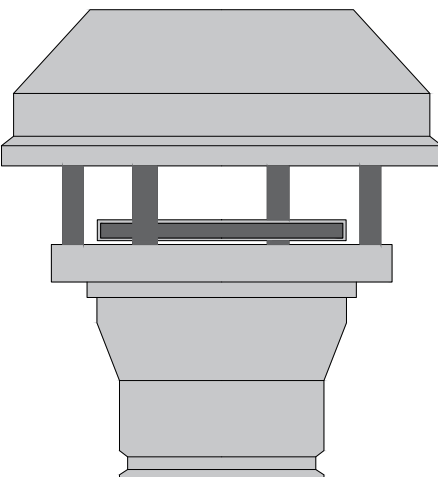


Rain Gauge (tipping bucket type)
This device will accurately measure the rainfall rate and send that data back to the Dream for dissemination and summary such as.
Precipitation Rate, intensity and time.
This information can be factored into an irrigation program or used as a tool to base new schedules on

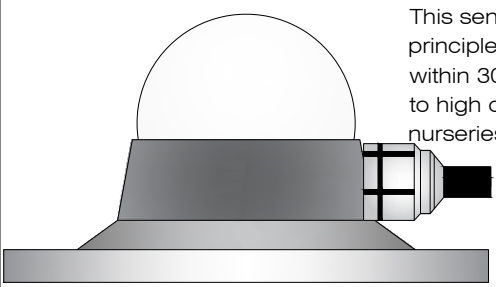


Atmospheric Pressure, Temperature, Humidity & Dew Point
This unique instrument enables the accurate reading of atmospheric pressure, ambient temperature, humidity and dew point. This information is continually uploaded to the Dream for use in programs and summary. Ideal for cooling control, blinds, nursery spray systems, frost mitigation systems etc.



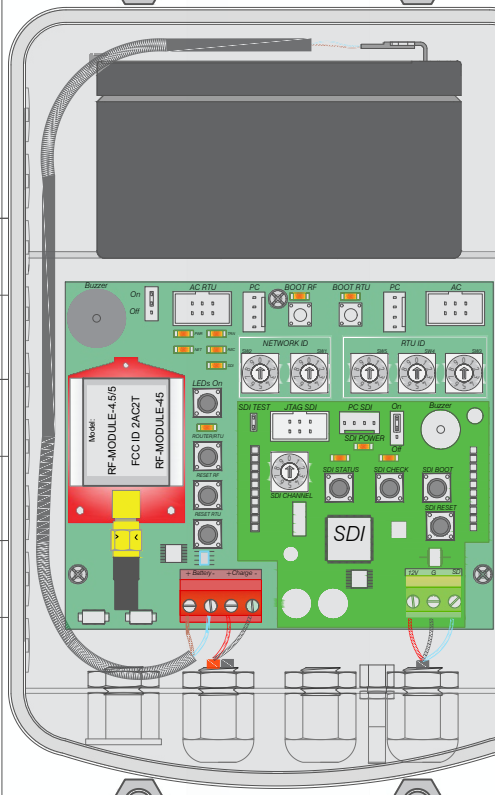
Ultrasonic Wind Speed and Direction Indicator
The information generated by this device is collected by the Dream and can be utilised in specific programs.

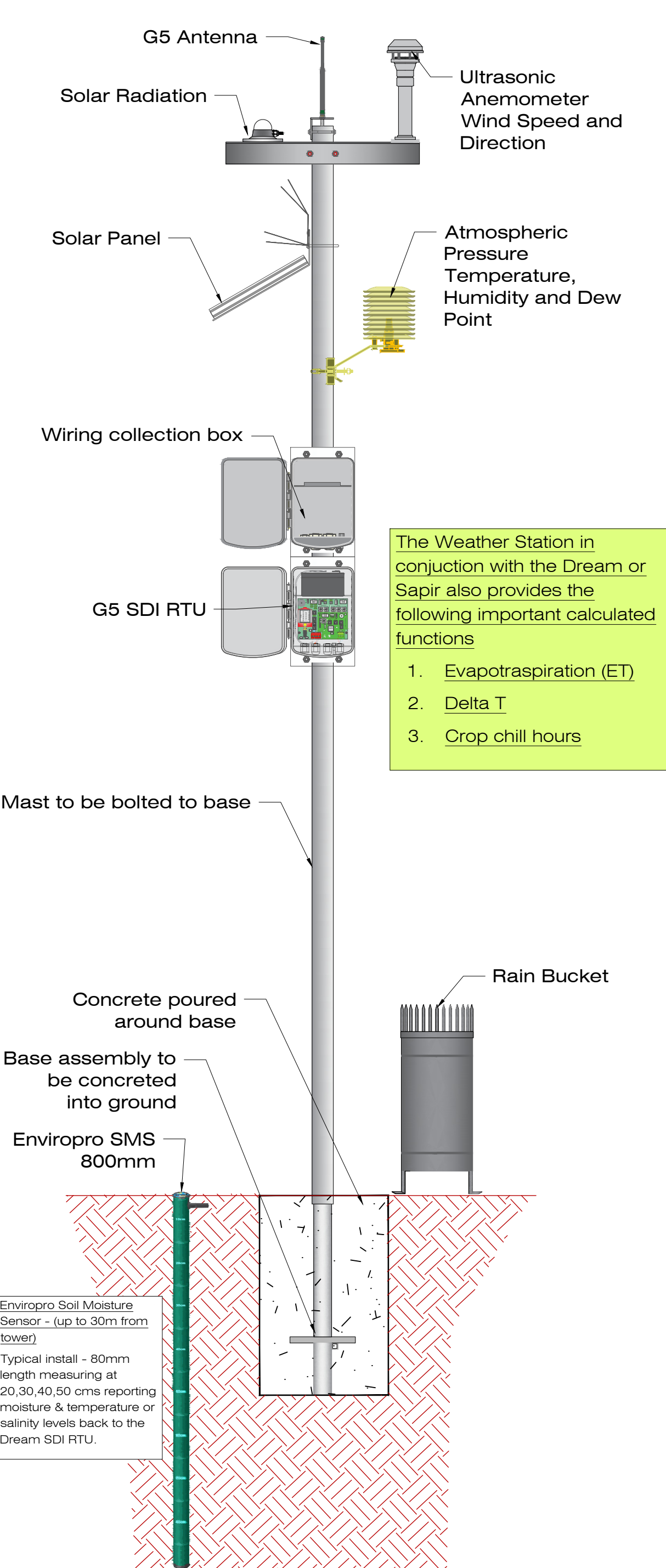
For example turning sprinklers off if wind speed exceeds a certain figure or is wind is blowing from or to the wrong direction.



Solar Radiation Measurement
This sensor utilises the silicon-cell principle. It measures solar radiation within 300-1100nm wavelength. Suited to high density planting such as in nurseries etc

SDI - RTU
The RTU (remote terminal unit) is responsible for the collation of data from the SDI devices attached to it and forwarding to the Dream by G5 radio. This process typically takes place within a 10 second timeframe 24/7.





G5 Antenna

Solar Radiation

Ultrasonic Anemometer Wind Speed and Direction

Solar Panel

Atmospheric Pressure Temperature, Humidity and Dew Point

Wiring collection box

G5 SDI RTU

Mast to be bolted to base

Concrete poured around base

Base assembly to be concreted into ground

Enviropro SMS 800mm

Rain Bucket

Enviropro Soil Moisture Sensor - (up to 30m from tower)
Typical install - 80mm length measuring at 20,30,40,50 cms reporting moisture & temperature or salinity levels back to the Dream SDI RTU.

The Weather Station in conjunction with the Dream or Sapir also provides the following important calculated functions

1. Evapotraspiration (ET)
2. Delta T
3. Crop chill hours