

Ecowitt → Hubitat Data Mapping & Conversion

Ecowitt	Hubitat	Unit	Notes
Integrated/Indoor Weather Sensor (WH32B)			
wh25batt	battery (¹)	%	Returned by ecowitt as: (0) OK, (1) Low
tempinf	temperature (¹)	°F	Gateway/Indoor temperature
humidityin	humidity (¹)	%	Gateway/Indoor humidity
baromrelin	pressure (¹)	inHg	Gateway/Indoor relative pressure corrected to sea-level
baromabsin	pressureAbs	inHg	Gateway/Indoor absolute pressure
Outdoor Weather Sensor (WH32E)			
wh26batt	battery (¹)	%	Returned by ecowitt as: (0) OK, (1) Low
tempf	temperature (¹)	°F	Outdoor temperature - shared with WS80
humidity	humidity (¹)	%	Outdoor humidity - shared with WS80
Multi-channel Weather Sensor (WH31)			
batt[1-8]	battery (¹)	%	Returned by ecowitt as: (0) OK, (1) Low
temp[1-8]f	temperature (¹)	°F	Location temperature
humidity[1-8]	humidity (¹)	%	Location humidity
Rain Gauge Sensor (WH40)			
wh40batt	battery (¹)	%	Returned by ecowitt as: (0) OK, (1) Low
rainratein	rainRate	in/h	Rainfall rate
eventrainin	rainEvent	in	Rainfall in the current event
hourlyrainin	rainHourly	in	Rainfall in the current hour
dailyrainin	rainDaily	in	Rainfall in the current day

weeklyrainin	rainWeekly	in	Rainfall in the current week
monthlyrainin	rainMonthly	in	Rainfall in the current month
yearlyrainin	rainYearly	in	Rainfall in the current year
totalrainin	rainTotal	in	Rainfall since sensor installation
Multi-channel Air Quality Sensor (WH41 / WH43)			
pm25batt[1-4]	battery (¹)	%	Returned by ecowitt as: (0) Low to (5) OK
pm25_ch[1-4]	pm25	µg/cm³	Current PM2.5 particle reading
pm25_avg_24h_ch[1-4]	pm25_avg_24h	µg/cm³	Average PM2.5 particle reading over the last 24 hours
Multi-channel Soil Moisture Sensor (WH51)			
soilbatt[1-8]	battery (¹)	%	Returned by ecowitt as AA voltage: (1.5V) OK, (1.0V) Low
soilmoisture[1-8]	humidity (¹)	%	Soil moisture
Wind & Solar Sensor (WS68 / WS80)			
wh65batt	battery (¹)	%	Returned by ecowitt as: (0) OK, (1) Low
winddir	windDirection (²)	°	Wind direction (0-359°)
winddir_avg10m	windDirection_avg_10m	°	Wind direction average over the last 10 minutes (0-359°)
windspeedmph	windSpeed (²)	mph	Wind speed
windspdmph_avg10m	windSpeed_avg_10m	mph	Wind speed average over the last 10 minutes
windgustmph	windGust	mph	Wind gust
maxdailygust	windGustMaxDaily	mph	Wind gust max in the current day
uv	ultravioletIndex (¹)	uvi	UV Index (0-11+)
solarradiation	illuminance (¹)	lux	illuminance = solarradiation / 0.0079

(¹) Native Hubitat state

(²) Non native state but used by Hubitat weather tile