ACC-EXP-DC

Wildeye Davis Weather Sensor Interface - With onboard Counters.



Key features

- Connects wind speed, wind direction, rainfall and solar radiation sensors to one Wildeye logger
- Supplied with the Davis white junction box, ready for the sensors to plug in
- All sensors read over SDI-12 via a NACS cable
- Add Sensor QR code sets the SDI-12 address automatically

Overview

The ACC-EXP-DC connects Davis weather sensors to a Wildeye datalogger, to record wind speed, wind direction, rainfall and solar radiation. It comes with the Davis white junction box, which the anemometer, rain collector and solar radiation sensor plug into, and a 1 m cable with an M12 plug for the logger. Readings appear in mywildeye, where you can chart them and set alerts.

As with all Wildeye Expanders, it features a unique 4-character address to avoid addressing conflicts, and a QR code to easily configure through the Wildeye app. This sets the expander's SDI-12 address automatically.

The ACC-SEXP-DC connects directly to a Wildeye NACS input.

Rain gauge

- The rain collector is shipped with a cable tie that locks the tipping mechanism. Cut and remove it before installation, then pour in some water to check the bucket tips freely.

- Davis changed the rain gauge wiring in 2023. A newer rain gauge plugged into an older junction box may not record tips. Contact Wildeye support if this happens.

Specifications

Measurement

Wind speed	Pulse input
Rainfall	Tipping bucket pulses
Wind direction	Resistance input
Solar radiation	0–5 V input
Output	SDI-12 over NACS plug

Physical

Cable	PUR, 1 m from M12 plug to junction box
Connector	M12 5-pin
Junction box	Davis white junction box (included)

Connection

Input (from sensor)

Connector	6-core cable
Cable length	1m

PIN	WIRE COLOUR	FUNCTION
	Grey	Wind speed
	White	Wind direction
	Pink	Solar signal
	Brown	Solar 3V supply
	Blue	Rain
	Black	GND

Output (to datalogger)

Connector	M12 male, 5 position
Cable length	100mm

PIN	WIRE COLOUR	FUNCTION
1	Brown	V+
2	White	SDI12
3	Blue	N/C
4	Black	GND
5	Grey	N/C

Compatibility

Compatible loggers	Wildeye -NACS plug

Power draw	2.5mA @ 12V
Mywildeye.com Add Sensor template	ACC-EXP-DC
Add Sensor QR	Use this QR code in the Wildeye App to add this sensor