

MicroSpider2

Environmental



Specification Sheet

General

Dimensions	(Width) 165mm x (Height) 145mm x (Depth) 85mm
Weight	800g
IP Rating	IP68 (including connectors)
Material	ABS
Mounting	Integrated into enclosure
Temperature Range	-20°C to +60°C
Warranty	12 months manufacturers warranty

Power

Power Supply	12-22V DC
Charger	Built in battery charger for external 12v battery and solar panel
Battery	Replaceable 14.4V LiFePO ₄ Optional second battery backup

Logger

Memory	Non-volatile FLASH
Capacity	300,000 records
Report Format	CSV File
Reporting Protocols	HTTP/HTTPS POST FTP Email DNP3
Time	On-board RTC Automatic NTP Sync

Outputs

Total Outputs	3
Output Type	1 x Switched power for sensor power / control 1 x Open collector for accessory control 1 x Low power sensor supply (3.3V or 5V)

Alarms

Total Alarms	16
Alert mechanism	SMS Email DNP3 Exception Reports
Trigger	User definable input and trigger point Time schedule
SMS / Email Alert	1 per alarm
Phone Numbers	3 per alarm
Email Addresses	3 per alarm
Super Alarm	Combination/condition alarms

Inputs

Standard Inputs	4 x Analogue 4 x Digital 6 x System Inputs
Optional Inputs	Up to 20 SDI-12 and Modbus GPS
Virtual Inputs	2 x Calculator/logic based inputs

Analogue Inputs

Resolution	12 bits
Calibration	2 point, 1 point or manual
Units of Measurement	User Definable
Sampling Period	User Definable
Sensor Type	Calibrated 4 - 20 mA, common ground 0 - 2.4V, common ground 0 - 5V, common ground 0 - 10V, common ground

Digital Inputs

Standard Inputs	Voltage free switch contact
Input Type	Switch Event (rainfall) Counter Meter Quadrature

System Inputs

Input Type	System temperature Battery voltage (x2) External power voltage LAN power voltage Internal moisture sensor
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Counter / Event Inputs

Minimum Pulse Width	5 ms
Maximum frequency	100 Hz
Range	0 - 999,999

Communication

Ethernet	10/100 base-T with LANlink Cable
Communications	4G LTE Cat-M1 LAN (using LANLink cable) Wifi (using HLink cable)
Antenna	Standard - internal antenna Optional - external antenna

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