

Spider 2

HALYTECH

Specification Sheet

General

Dimensions	(Width) 110mm x (Height) 200mm x (Depth) 90mm
Weight	800g
IP Rating	IP20
Material	ABS
Mounting	Surface mount
Temperature Range	Standard: (-5 to +50) °C Optional: (-20 to +60) °C
Warranty	12 months manufacturers warranty

Power

Power Supply	16-30V DC Current: <120mA Peak: 2A (when battery is charging)
Charger	Built-In Sealed Lead Acid Battery Management system
Battery	External 12V Sealed Lead Acid

Logger

Memory	Non-volatile FLASH
Capacity	400,000 records
Report Format	CSV File
Reporting Protocols	HTTP/HTTPS POST FTP Email DNP3
Time	On-board RTC Automatic NTP Sync

Outputs

Total Outputs	8
Output Type	Normally open latching relay contacts (1 A @ 30 V DC, resistive load)
Timers	8 (one per control)
Activation	Local intelligence, timers, alarms, SMS, browser interface

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	8 x Analogue 8 x Digital 3 x System Inputs
Optional Inputs	400+ Wireless inputs for metering 900+ SDI-12 and Modbus
Virtual Inputs	2 x Calculation/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	0-12V Voltage free switch contact
Input Type	Switch Event (rainfall) Counter Meter Quadrature

System Inputs

Input Type	System temperature Battery voltage External power voltage
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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
Communications	4G [Nano SIM Card] LTE Cat-M1 Satellite RS-232 Serial Interface RS-485 Multi-dropped, Multi-point Serial Interface LAN Wifi
Antenna	Primary - 4G Whip antenna Diversity - 4G Puck antenna

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