

General

Dimensions	(Width) 49mm x (Height) 410mm
Weight	720g
IP Rating	IP68 (including connectors)
Material	Stainless Steel
Mounting	Suspension Integrated onto enclosure
Temperature Range	-20°C to +60°C
Warranty	12 months manufacturers warranty

Power

Power Supply (Solar)	12-22V DC
Battery	Replaceable 7.2V Li-SOCl ₂ (Lithium Thionyl Chloride), 13 Ah

Logger

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

Outputs

Total Outputs	3
Output Type	1 x Boosted (12v) switched power for sensor power / control 1 x Open collector for accessory control 1 x Low voltage 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

Number of Inputs	20 configurable channels total any mix of analogue/digital inputs, system inputs, SDI-12 readings, Modbus readings, and virtual (calculation) channels
Input Types	Analogue, Digital, SDI-12 bus, Modbus RS-485 bus, system inputs

Analogue Inputs

Resolution	12 bits
Calibration	2 point, 1 point or manual
Units of Measurement	User Definable
Sampling Period	User Definable
Input Type	Calibrated 4 - 20 mA & 0-20mA, 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 External power voltage Internal moisture sensor
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Counter / Event Inputs

Minimum Pulse Width	5 ms
Maximum frequency	100 Hz
Range	0 - 999,999.999

Communication

Ethernet	10/100 base-T with LANlink Cable
Communications	4G LTE Cat-M1 LAN (using LANlink cable) Wifi (using Hlink dongle)
Antenna	External SMA: 2x for 4G variant 1x for Cat-M1 variant

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