

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 Up to 5 years Life (1-hour logging, daily reports, good signal, self-powered sensor, 1 alarm per month) |

Logger

| | |
|----------------------|--|
| Memory | Non-volatile flash |
| Capacity | 300,000 records |
| Report Format | CSV File |
| Reporting | HTTP/HTTPS POST FTP Email DNP3 (optional) |
| 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 (optional) 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 | 4-20 mA, 2-point, offset, or manual |
| Units of Measurement | User Definable |
| Sampling Period | User Definable |
| Input Type | Calibrated 4 - 20 mA & 0 - 2.4V, common ground 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 |

System Inputs

| | |
|-------------------|---|
| Input Type | System temperature Battery voltage External power voltage Internal moisture sensor |
|-------------------|---|

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 |

To support continuous product improvement, Halytech reserves the right to change specifications without notice. All information provided is believed to be accurate at the time of publication.