

ALBÉR ELS 2

Electrolyte Level Sensor



BENEFITS

- Designed specifically to comply with the NERC PRC-005 requirements for electrolyte level inspection
- Eliminate the required quarterly inspection of battery electrolyte levels
- Infrared sensing technology for improved electrolyte level detection
- Cell temperature monitoring for notification of corrective action
- Seamless integration with the Albér UXIME Battery Monitor for a complete monitoring solution
- No alarm means no unnecessary remote site visits



The Albér ELS2 is a non-invasive level sensor, with incorporated temperature monitoring. Design to reduce battery maintenance time and improve service cost.

System Advantages and Features

- Three form C contacts for alarm notification: Level alarm, temperature alarm and hardware alarm. Features also a RS-485 interface with Modbus protocol and a USB style B interface
- Alarms for low and critical low electrolyte levels, cell temperature, sensor attachment failure and hardware malfunction
- Status indicators on each cell for easy alarm identification
- Automatic or manual reset for any alarm
- Designed to work on nonopaque VLA battery cases
- Automatic calibration, remote alarm reset and quick firmware upgrades
- Easily integrates into Albér Battery Monitors or building management systems
- Engineered for quick installation and easy system setup



System specifications

Albér ELSi™ – Interface Module

LEDs

- Red LED - System Alarm
- Green LED - Status/Power

Alarms

- 3 Form C relay contact (2A at 30VDC)
- Alarm reset button

Input Power

- 12VDC, 0.75A Max
- AC-DC Adapter (standalone option)
 - Input 85 – 264VAC, 47 to 63Hz
 - Output 12V DC, 18W max

Communications

- RS-485 Output
- USB (Service port)
- RJ11 to ELS2 Sensors

Dimensions

- ABS Plastic Housing
- 4.25"W x 1.45"H x 3.00"D (5.25"W w/ flange)
- Mounting: Two 0.18" holes

Albér ELS™ – Sensor Module

LEDs

- Red – Low Level Alarm
- Green – Status / Power

Input Power

- 12VDC, 300mA via RJ11 from the Interface Module

Communications

- RJ11 to ELSi2 Interface Module

Dimensions

- ABS Plastic Housing
- 1.80" W x 1.59" H x 0.5" D

Safety Approvals

- UL61010-1
- EN61010-1
- IEC61010-1

EMC Approvals

- EN61326-1
- FCC part 15 class A

Operating Environment

- Temperature range: 0°C to 40°C (32°F to 104°F)
- Humidity range: 0% to 80% RH (non-condensing) at 10°C to 31°C
0% to 50% RH (non-condensing) at 32°C to 50°C
- For indoor use only

