

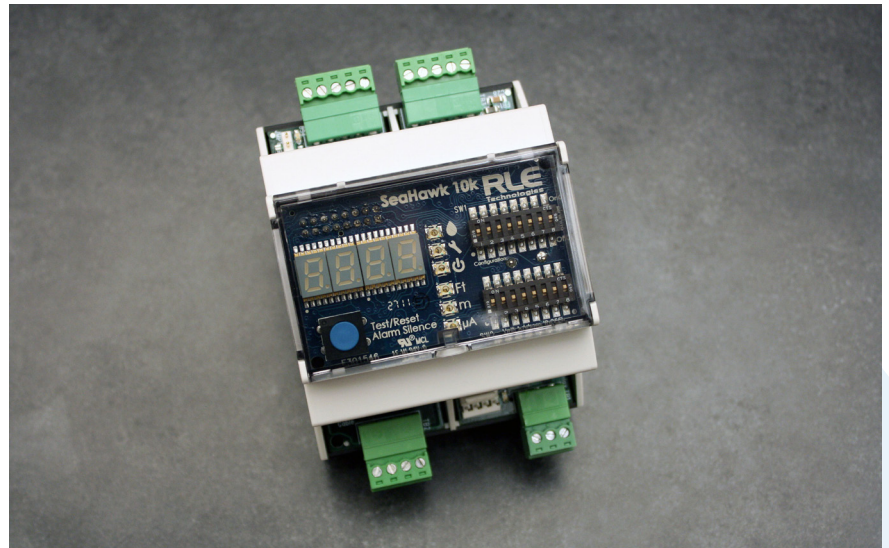
Monitor. Integrate. Alert. Peace of Mind.

Applications

- Stand-alone leak detection with onboard LED and audible alarm
- Integrate via Modbus or BACnet into another RLE leak detection controller or a larger BMS

Key Features

- Monitor up to 10,000 feet of sensing cable and spot detectors
- Quickly returns to normal status after sensing cable is wiped dry
- Lightweight, compact enclosure provides panel and DIN rail mounting options
- Adjustable leak alarm sensitivity
- Configure the summary relay output as supervised or non-supervised



Maximum Leak Detection at a Minimal Price

Designed for facilities with specialized device installation requirements, customers love the 10K's DIN rail-mountable enclosure and protocol integration features.

What Sets RLE's 10K Apart?

- **Distance-read leak detection** pinpoints the precise location of the leak and displays it on the unit's LED.
- **A supervised system**, the controller continuously monitors the cable for leaks, breaks, and disconnects.
- **Robust alarm notification** via LED, audible alarm, summary relay output, and protocol integration; notify users of leaks and faults in real time.
- **Seamless Integration.** BACnet and Modbus outputs allow the 10K to deliver information directly to another RLE controller or a larger BMS system.

10K • Compatible with all RLE SeaHawk sensing cables and the SD-Z spot detector

| Product Codes | |
|---------------|---|
| SeaHawk 10K | Distance-read leak detection controller. Includes LC-KIT for use with SC, SC-ZH, SD-Z. Requires PSWA-DC-24-ST or WA-AC-24-ST. |
| SeaHawk 10K-M | Distance-read leak detection controller. Includes LC-KIT-M for use with SC-C. Requires PSWA-DC-24-ST or WA-AC-24-ST. |
| PSWA-DC-24 | Power adapter; isolated 100-240VAC to 24VDC, 50/60Hz; barrel connector; includes type A blade. |
| DIN-24VDC | Power adapter; isolated 100-240VAC to 24VDC, output 0.75A; DIN rail mount. |

| Technical Specifications | |
|--------------------------|---|
| Power | Requires an isolated power supply. 12-24VDC ($\pm 10\%$) Isolated, 50-60Hz; requires RLE power supply PSWA-DC-24-ST (not included) 400mA max @ 12VAC/DC; 200mA max @ 24VAC/DC |
| Included Accessories | Leader cable and EOL terminator |
| Relay Output | 1 Form C, 5A resistive @ 30VDC, 8A resistive @ 250VAC, Minimum load 10mA @ 5VDC (Signal) |
| Sensing Cable | Compatible with all SeaHawk sensing cables and the SD-Z spot detector |
| Cable Input | Requires 15ft. (4.57m) leader cable and EOL terminator (included) |
| Maximum Length | 10,000ft. (3048m) |
| Minimum Length | 36 ft. (10.97m) |
| Detection Accuracy | ± 2 ft. (0.6m) $\pm 0.5\%$ of the cable length |
| Detection Repeatability | ± 2 ft. (0.6m) $\pm 0.25\%$ of the cable length |
| Detection Response Time | 5-990sec. (selectable) |
| Communication Ports | EIA-485 |
| | 1200, 9600, or 38400 baud, N2 (selectable); Parity: none, 8 data bits, 1 stop bit |
| Protocols | EIA-485 |
| | Modbus RTU Server; N2 |
| Alarm Notification | Visible Alarm |
| | Red LED for leak alarm; yellow LED for cable contamination or fault; 4-character LED displays distance or fault status |
| | Audible Alarm |
| | 85dBA @ 2ft. (0.6m); re-sound configurable, 0-999min. |
| Front Panel Interface | LED Indicators |
| | 4-character LED displays leak or contamination distance or fault status |
| | Six LED indicators: |
| | Red: Leak |
| | Yellow: Cable Fault, Break, or Contamination |
| | Green: Power On |
| | Green: Measurements made in feet |
| | Green: Measurements made in meters |
| | Green: Microamps of current on cable |
| Push Button | Test/Reset/Alarm Silence, cycle through device functions |
| Operating Environment | Temperature |
| | 32° to 122°F (0° to 50°C) |
| | Humidity |
| | 5% to 95% RH, non-condensing |
| | Altitude |
| | 15,000ft. (4,572m) max. |
| Storage Environment | -4° to 158°F (-20° to 70°C) |
| Dimensions | 2.8"W x 4.3"H x 2.4"D (71mmW x 109mmH x 61mmD) |
| Weight | 5.3 oz. (153g) |
| Mounting | DIN rail or panel mountable |
| Certifications | CE; ETL listed: conforms to EN 61010-1; UL 61010-1, certified to CSA C22.2 NO. 61010-1; RoHS compliant |

