

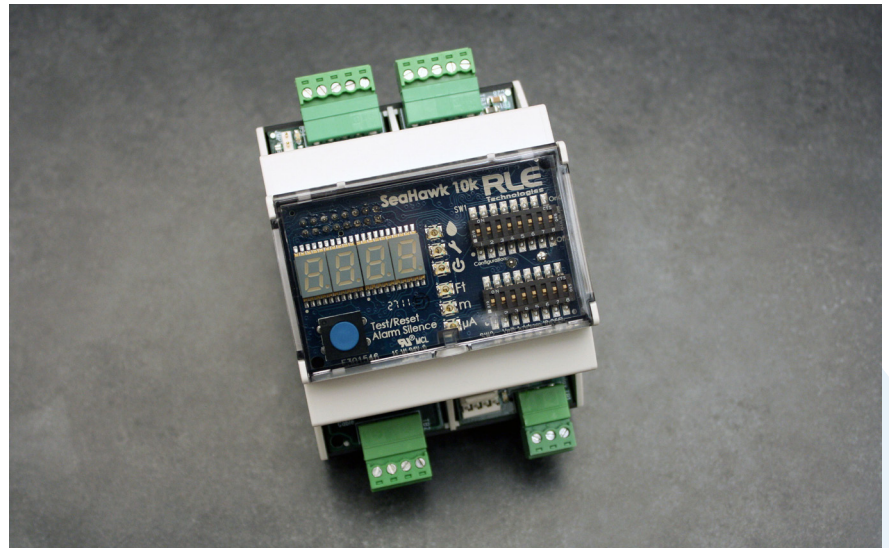
Monitor. Integrate. Alert. Peace of Mind.

### 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	$\pm 2$ ft. (0.6m) $\pm 0.5\%$ of the cable length
Detection Repeatability	$\pm 2$ 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	Modbus (RTU)
	Slave; RTU mode; Supports function codes 03, 04, 06 and 16 Master; RTU mode for integration with select RLE controllers or any Modbus master BMS/NMS. Addressable from 1-255.
	Johnson Controls Metasys (N2)
Alarm Notification	Visible Alarm
	Audible Alarm
	Red LED for leak alarm; yellow LED for cable contamination or fault; 4-character LED displays distance or fault status 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
	Humidity
	Altitude
	32° to 122°F (0° to 50°C) 5% to 95% RH, non-condensing 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

