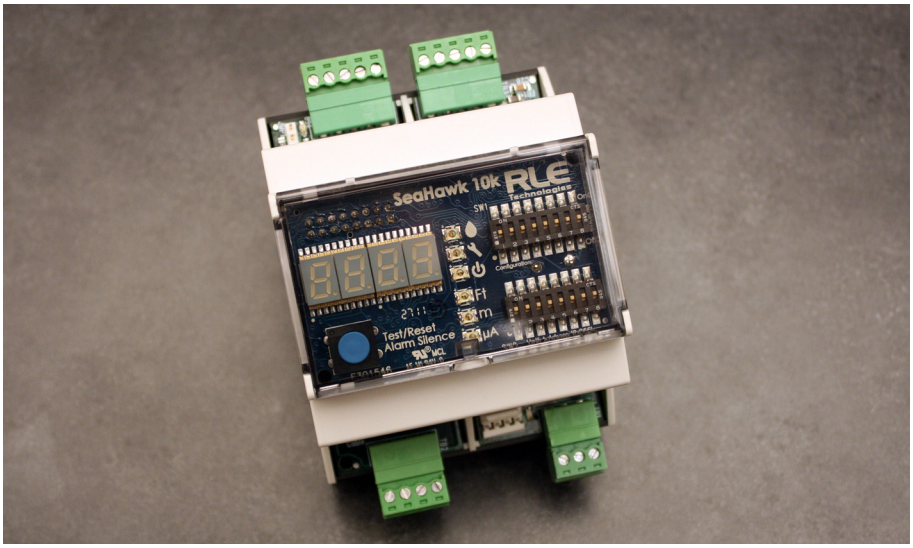


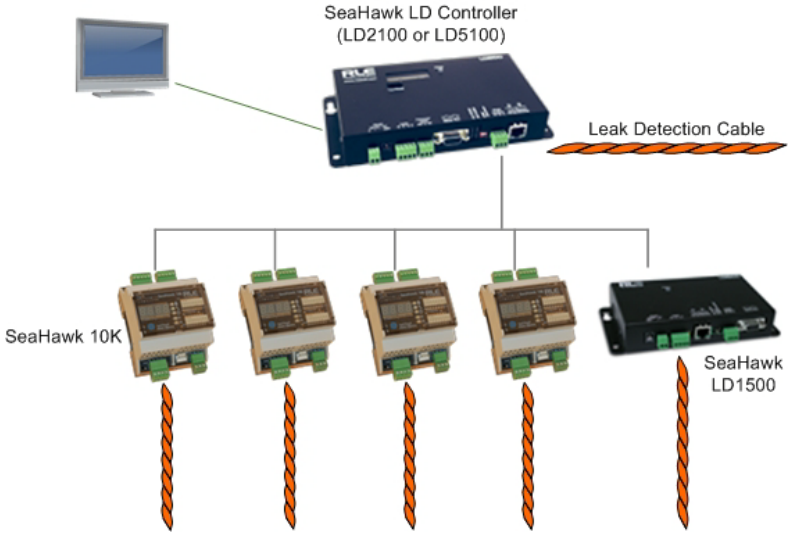
RLE Technologies

SeaHawk 10K

As RLE's most cost-effective distance-read leak detection module, the SeaHawk 10K can serve as a stand-alone leak detection and notification solution or provide a seamless and cost-efficient way to extend the capabilities of existing SeaHawk leak detection appliances.

When functioning as a stand-alone system, the SeaHawk 10K monitors up to 10,000 continuous feet (3048m) of sensing cable. The front panel of the unit features an audible alarm and visible LED status notification, as well as a four-character LED that indicates the distance from the controller to the leak or cable contamination.

The SeaHawk 10K can also be networked with an RLE leak detection appliance or any other Modbus or BACnet MS/TP-equipped monitoring system. This integration greatly increases the length of cable these appliances can monitor. The SeaHawk 10K retains its stand-alone features, while the appliance provides a centralized source of monitoring, communication, and notification capabilities.



Example SeaHawk 10K Installation

Features

- Stand-alone leak detection or integration into larger system
- Accommodates up to 10,000 continuous feet (3048m) of RLE sensing cable
- Modbus and BACnet MS/TP EIA-485 communication
- Audible and visible alarm notification
- Panel and DIN rail mountable
- Configurable by DIP switches or Modbus

Benefits

- Cost efficient, easy-to-integrate leak detection solution
- Relay output for simple system integration

SeaHawk 10K Specifications

Power	Requires an isolated power supply. 12-24VDC (±10%) Isolated, 50-60Hz; requires RLE power supply PSWA-DC-24-ST (not included) 12-24VAC (±10%) Isolated, 50-60Hz; requires RLE power supply WA-AC-24-ST (not included) 400mA max @ 12VAC/DC; 200mA max @ 24VAC/DC
Accessories	Included: leader cable and EOL terminator
Output	
Relay	1 Form C, 5A resistive @ 30VDC, 8A resistive @ 250VAC, Minimum load 10mA @ 5VDC (Signal)
Inputs	
Leak Detection Cable	Compatible with SeaHawk sensing cable (not included)
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	± 2ft. (0.6m) +/- 0.5% of the cable length
Detection Repeatability	± 2ft. (0.6m) +/- 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.
BACnet MS/TP	Slave; Supports objects BI:1, BI:2, BI:3, BI:4, AI:1, AI:2, AI:3; consult User Guide for supported identifiers and device objects. Addressable from 1-255.
Johnson Controls Metasys (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
Important Installation Guideline	When installing the hydrocarbon sensing cable in a hazardous area, a protective device, such as a zener safety barrier, may be required between the controller and the sensing cable.
Certifications	CE; ETL listed: conforms to EN 61010-1; UL 61010-1, certified to CSA C22.2 NO. 61010-1; RoHS compliant

SeaHawk

RLE Technologies

v1.5
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