

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.

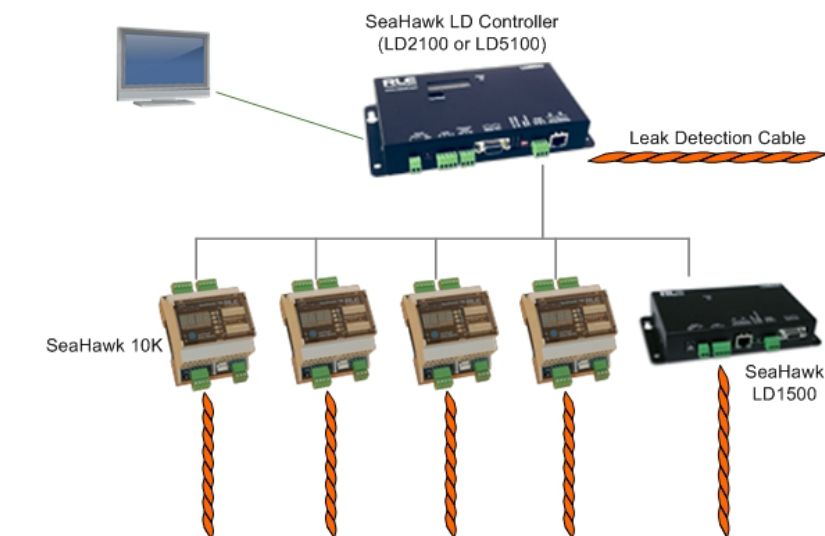
The SeaHawk 10K can also be networked with an RLE leak detection appliance or any other Modbus or BACnet MS/TP-equipped monitoring system. This integration greatly increases the length of cable these appliances can monitor. The SeaHawk 10K retains its stand-alone features, while the appliance provides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

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



Example SeaHawk 10K Installation

Leak Detection

SeaHawk 10K Specifications

Power	12-24V AC/DC ($\pm 10\%$), 50-60Hz (#PSWA-DC-24-ST; not included)
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 Cable Input Maximum Length Minimum Length Detection Accuracy Detection Repeatability Detection Response Time	Compatible with SeaHawk sensing cable (not included) Requires 15ft. (4.57m) leader cable and EOL terminator (included) 10,000ft. (3048m) 36 ft. (10.97m) ± 2 ft. (0.6m) +/- 0.5% of the cable length ± 2 ft. (0.6m) +/- 0.25% of the cable length 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) BACnet MS/TP Johnson Controls Metasys (N2)	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. 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.
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 Push Button	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 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
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

