

## SEAHAWK LEAK DETECTION



Designed for use with RLE patented SeaHawk Water Leak Detection Cable (SC), the SeaHawk LD300 reports the presence of water or any conductive fluid within a predetermined zone. The LD300 is a single zone system with a visual alarm indicator and Form C output relays for leak and fault alarms.

The LD300 module continuously monitors up to 300 feet (91m) of SC and is ideal for small areas. SC is often encircled around critical equipment, in spaces such as data centers, clean rooms, telecommunication centers and other critical areas. If conductive fluid contacts the sensing cable anywhere along its length, the module activates the leak relay and flashes the LED, clearly indicating fluid has been detected.

Additionally, if the SC is cut, has a poor connection, or continuity is lost for any reason, the module will indicate a cable fault alert by flashing the LED and activating a fault relay. The LD300 offers no audible annunciation and is therefore used with applications requiring leak detection cable integrated into an existing monitoring system via digital dry contacts.

The LD300 also features jumper selectable leak detection thresholds for adjusting the sensitivity of the leak/fault detection circuit.

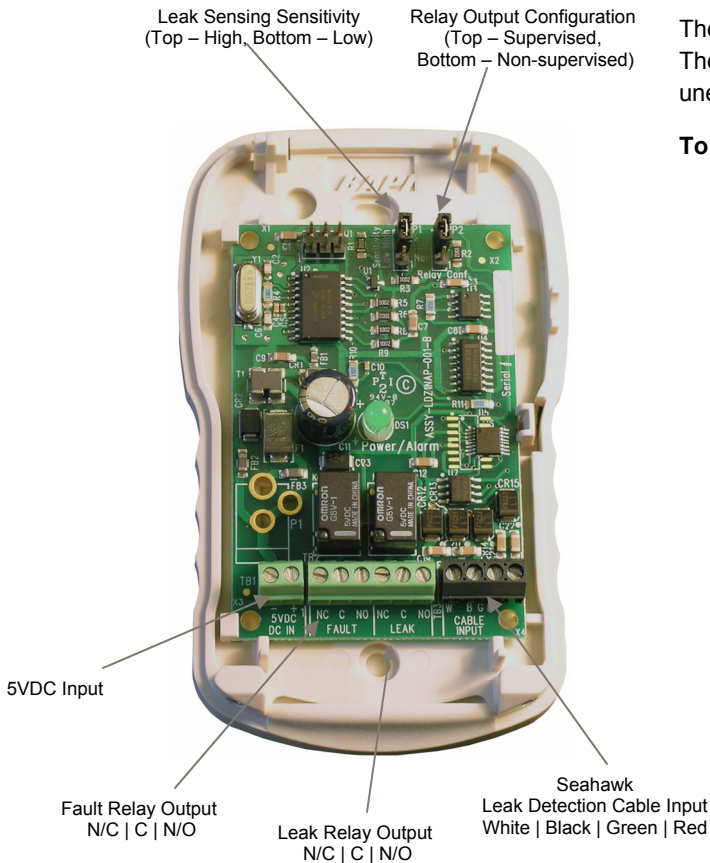
### Key Features & Benefits

- Virtually eliminates false alarms due to adjustable leak and contamination alarm thresholds
- Two Form C output relays (leak and fault) allow for integration into other monitoring systems
- Visual status condition via LED indicator that distinguishes normal conditions from alarm conditions
- Monitors up to 300 feet (91m) of SC
- Configurable for supervised or non-supervised operation to ensure that critical alarms are not missed
- Lightweight enclosure is quick and easy to install
- Extremely cost-effective water detection solution

# Specifications

<b>Power</b>	5VDC (±10%) @ 100mA max (Isolated); requires power supply; power supply not supplied (part #WA-DC-5)
<b>Inputs</b>	
<b>Water Leak Detection Cable</b>	Compatible with SeaHawk SC Cable
<b>Cable Input</b>	Requires SeaHawk LC-KIT (15ft [4.57m] leader cable and EOL); LC-Kit not supplied
<b>Maximum Length</b>	300ft (100m)
<b>Detection Response Time</b>	<20sec; 10sec typical
<b>Outputs</b>	
<b>Relay</b>	2 Form C Alarm Relays (leak and fault); 1A @ 24VDC, 0.5A resistive @ 120VAC; configurable for supervised or non-supervised
<b>Alarm Notification</b>	
<b>Audible Alarm</b>	Not applicable
<b>Front Panel Interface</b>	
<b>LED Indicators</b>	1 green Power/Status (green= on/normal; flash rate indicates cable fault or leak detected) Cable Fault Flash Rate : ½ second on - 2 ½ second pause Leak Detected Flash Rate : ½ second on - ½ second pause
<b>Operating Environment</b>	
<b>Temperature</b>	32° to 122°F (0° to 50°C)
<b>Humidity</b>	5% to 95% RH, non-condensing
<b>Altitude</b>	15,000' (4,572m) max.
<b>Storage Environment</b>	-4° to 158°F (-20° to 70°C)
<b>Dimensions</b>	2.7"W x 4.4"H x 1.1"D (69mmW x 112mmH x 28mmD)
<b>Weight</b>	3oz. (84g)
<b>Mounting</b>	Vertical wall mount
<b>Certifications</b>	CE

## Wiring Diagram



## Installation & Setup

The LD300's output relays are labeled for an unenergized state. Therefore, the labeled relay output (N/C – C – N/O) is for an unenergized relay.

### To install the LD300:

- 1) Secure the LD300 to a wall with provided hardware.
- 2) Attach the leader cable contained in the LC-Kit (sold separately) to the cable input.
- 3) Attach a length of Seahawk Leak Detection Cable (SC) to the leader cable.
- 4) Attach the end of line terminator (EOL) contained in the LC-Kit (sold separately) to the end of the SC cable.
- 5) Wire power (5VDC) to the LD300.



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