SEAHAWK ALARM PANEL

The SeaHawk LDRA6 is designed as a multi-functional alarm panel that accommodates six inputs. Each input can be configured for either leak detection (RLE SC cable or spot detector) or digital dry contact integration (i.e. HVAC, PDU, UPS, generator summary/alarm contacts). The LDRA6 is most commonly used when there is a need to detect fluid leaks in multiple areas, and/or annunciate alarms from critical facility equipment or sensors.

In order to detect and report the presence of water or other conductive fluids, the LDRA6 must be used with SeaHawk Leak Detection Cable (SC) or SeaHawk spot detectors. Each zone (SC input) on the LDRA6 can accommodate up to 1,000 feet (305m) of SC, and each SC input requires an LC-KIT.

When an alarm condition occurs, the annunciator sounds and the appropriate Form C output relay is activated. Tri-color LEDs help to differentiate between alarm and SC faults. The relay outputs in the LDRA6 may be configured as supervised or unsupervised.

In addition, the LDRA6 system supports an optional Modbus RTU output for easy integration into existing Building Management Systems (BMS).

Key Features & Benefits

- Each input is configurable for alarm annunciation of either leak detection or digital dry contact change of state
- Adjustable thresholds virtually prevent false alarms
- RS-232 port allows configuration with PC and panel customization
- Form C output relay for panel summary alarm and for each SC and/or digital dry contact input
- Modbus Option (RS-485) for simple integration with other systems
- Simple installation and setup
- Easily configured to meet your unique system requirements
- RoHS compliant

LDRA 6

Specifications

Power	24VAC Isolated @ 600mA max, 50/60Hz, 24VDC@ 600mA max; requires power supply; power supply not supplied (part #WA-DC-24-ST)
Inputs	
Water Leak Detection Cable	Compatible with SeaHawk SC Cable or spot detectors
Cable Input	Requires SeaHawk LC-KIT (15ft [4.57m] leader cable and EOL) per zone; LC-Kit not supplied
Maximum Length	1,000ft (305m) per zone
Detection Response Time	20-3600sec, software adjustable in 10sec increments; ±2sec
Outputs	
Relay	1 Form C Summary Alarm Relay, 1 Form C Alarm 1 Relay, 1 From C Alarm 2 Relay, 1 Form C Alarm 3 Relay, 1 Form C Alarm 4 Relay, 1 Form C Alarm 5 Relay, 1 Form C Alarm 6 Relay; 1A @ 24VDC, 0.5A resistive @ 120VAC; Configurable for supervised or non-supervised, latched or non-latched
Communications Ports	
RS-232	9600 baud; Parity none; 8 data bits, 1 stop bit
RS-485	1200, 2400, 9600 or 19,200 baud; Parity none, odd, even (programmable); 8 data bits, 1 stop bit
Protocols	
Terminal Emulation (RS-232)	VT100 compatible
Modbus (RS-485) - Optional	Slave; RTU Mode; Supports function codes 03, 04, 06 and 16 (Modbus optional)
Alarm Notification	
Audible Alarm	85DBA @ 2' (0.6m); re-sound (disabled, 8,16 or 24 hours)
Front Panel Interface	
LED Indicators	1 green Power (on/off); 6 green/red/yellow Status (1 per zone)
Push Buttons	1 Quiet/Test/Reset
Operating Environment	
Temperature	32° to 122°F (0° to 50°C)
Humidity	5% to 95% RH, non-condensing
Altitude	15,000' (4,572m) max.
Storage Environment	-4° to 158°F (-20° to 70°C)
Dimensions	10.5"W x 8.0"H x 2.0"D (267mmW x 203mmH x 51mmD)
Weight	4 lbs. (1.82kg)
Mounting	Vertical wall mount
Certifications	CE; ETL listed: conforms to UL STD 61010A-1, EN STD 61010; certified to CAN/CSA C22.2 STD NO. 1010.1; RoHS compliant

RoHS COMPLIANT

LDRA6

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SeaHawk

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