

# Distance Read Panel

## LD1500 & LD2100



**Helps Eliminate High Humidity  
False Alarms**

### FEATURES

- Adjustable leak and contamination alarm thresholds to reduce false alarms due to high humidity...high detection accuracy
- RS-232 port allows configuration with PC

### DESCRIPTION

Together with our SC, SC-C, or SC-H sensing cable, the **LD1500** and **LD2100** panels detect and report the presence and exact location of the cable-specific fluid. When the fluid comes in contact with the patented cable, the monitoring panel quickly pinpoints the location of the leak, triggering an alarm and displaying the location.

### SPECIFICATIONS

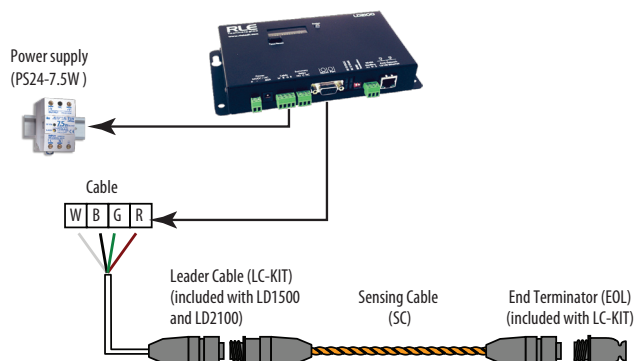
<b>Input Power</b>	24VAC@600mA max., 50/60 Hz; 24VDC@600mA max.
<b>Agency Approvals</b>	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; CSA C22.2; RoHS compliant
<b>INPUTS</b>	
<b>Water Leak Detection Cable</b>	Requires 15 ft. (4.5 m) leader cable kit (LC-KIT or LC-KIT-M)
<b>Maximum Length</b>	1500 ft. (457 m); LD2100: 2000 ft. (609 m)
<b>Detection Accuracy</b>	±2 ft (0.6 m) + 0.5% of the cable length
<b>Detection Repeatability</b>	±2 ft (0.6 m) + 0.25% of the cable length
<b>Detection Response Time</b>	5-995 sec ± 2 sec
<b>OUTPUTS</b>	
<b>Relay (LD2100 only)</b>	1A@24VDC, 0.5A resistive@120VAC
<b>COMMUNICATIONS PORTS</b>	
<b>RS-232</b>	9600 baud, No parity, 8 data bits, 1 stop bit
<b>RS-485</b>	1200, 2400, 9600, or 19200 baud (selectable); No parity, 8 data bits, 1 stop bit

### SPECIFICATIONS (continued)

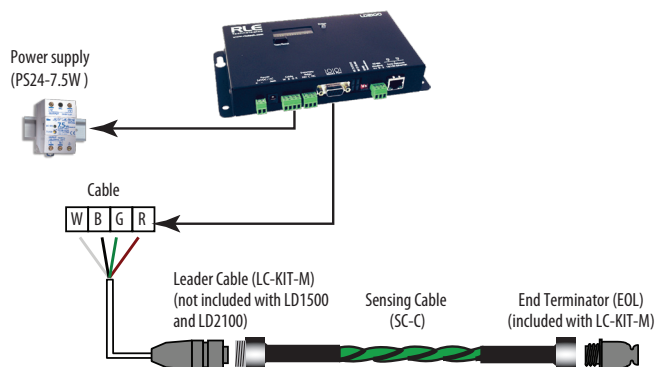
<b>PROTOCOLS</b>	
<b>Terminal Emulation RS-232</b>	VT100 compatible
<b>Modbus RS-485</b>	Slave; RTU Mode; Supports function codes 03, 04, 06, and 16; Johnson N2 (LD2100 only)
<b>EXPANDED PROTOCOLS</b>	
<b>TCP/IP, HTML, TFTP</b>	IPv4.0
<b>SNMP</b>	V1: V2C MIB-2 compliant; NMS Manageable with Get, Set, Traps
<b>SMTP email, LD2100 only</b>	Supports client authentication (plain and login); compatible with ESMTP servers
<b>Modbus TCP/IP</b>	Modbus slave; TCP/IP transmission protocol
<b>BACnet/IP</b>	ASHRAE Std 135-2004 Annex J
<b>ALARM NOTIFICATION</b>	
<b>Audible Alarm LD2100</b>	70 dBA@2 ft. (0.6 m); re-sound configurable (disabled, 0 to 24 hours, integer values only)
<b>Visual Alarm LD1500 LD2100</b>	Red, 4-digit; 7 segment LED display; bi-color status LED bi-color status LED
<b>Email LD1500/LD2100</b>	4 email recipients; email sent on Alarm and Return to Normal
<b>SNMP Traps LD1500, LD2100</b>	4 community strings
<b>LOGGING CAPABILITIES</b>	
<b>Event Log LD1500 LD2100</b>	Last 10 events Last 500 events
<b>Trend Log LD2100</b>	Cable current level every day, for the last 288 days
<b>LOGIN SECURITY</b>	
<b>Display Access</b>	1 Administrator (password for configuration, no password required to view panel status)
<b>FRONT PANEL INTERFACE</b>	
<b>Display LD2100</b>	Green alphanumeric dot matrix
<b>Push Buttons LD2100 LD5200</b>	Test/Rest Up, down, right, left, enter
<b>LED Indicator LD1500 LD2100</b>	1 tri-color Power/Status (green = power on; red = alarm; yellow = cable fault) 1 bi-color Power/Status (green=power on, red=alarm)
<b>OPERATING ENVIRONMENT</b>	
<b>Temperature</b>	0° to 50°C (32° to 122°F)
<b>Humidity</b>	5% to 95% RH non-condensing
<b>Altitude</b>	15000 ft. (4572 m) max.
<b>Mounting</b>	Vertical wall mount (DIN rail mounting option available on LD2100 only)

## WIRING DIAGRAMS

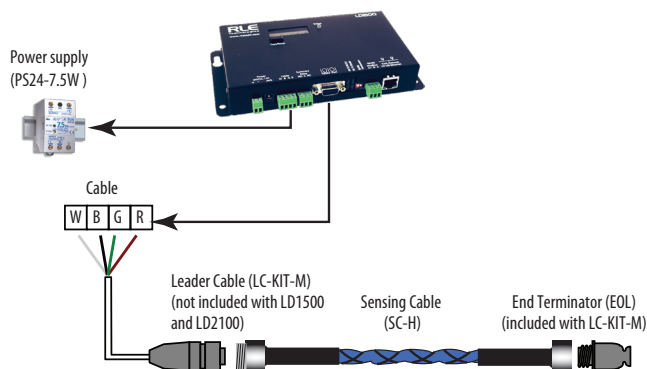
### LD1500/LD2100 Basic SC Installation



### LD1500/LD2100 Basic SC-C Installation

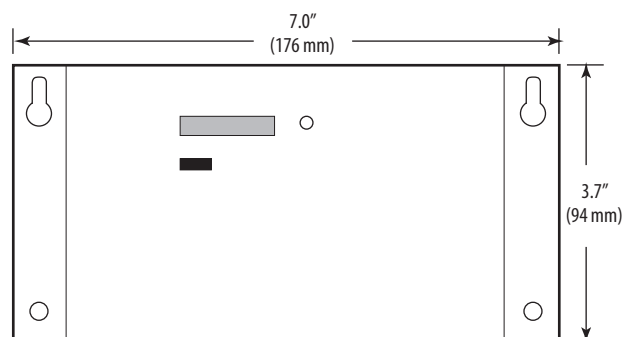


### LD1500/LD2100 Basic SC-H Installation

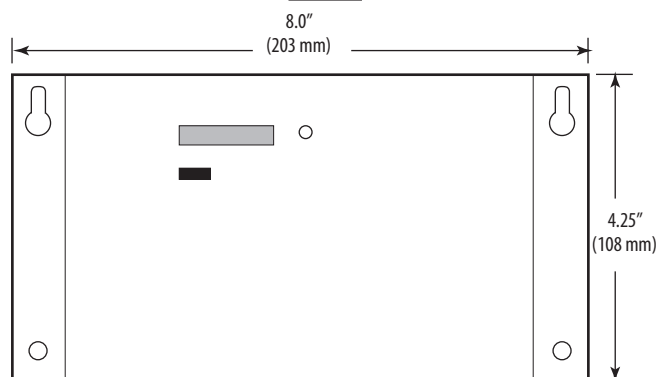


## DIMENSIONAL DRAWINGS

### LD1500



### LD2100



## ORDERING INFORMATION



MODEL	MANUF. PART #	DESCRIPTION
U006-0038*	LD1500*	Leak Panel, 1500' Distance Read, Modbus, BACnet, SNMP, SMTP, and relay outputs
U006-0047*	LD2100*	Leak Panel, 2000' Distance Read, Modbus, BACnet, SNMP, SMTP, and relay outputs
U006-0035**	LC-KIT**	Leader cable kit for SC cables (connects from leak panel to SC or NSC cable)
U006-0061***	LC-KIT-M***	Leader cable kit for SC-C and SC-H cables (connects from leak panel to SC-C or SC-H cable)
U006-0004	FM1114	Reference map, framed (11" x 14")

\*Power supply not included. Use LD-ENC (U006-0045) wall mount enclosure with built-in power supply or Veris PS24-7.5W power supply or equivalent.

\*\*Included with LD1500 and LD2100.

\*\*\*Not included with LD1500 or LD2100. Required for installation of SC-C and SC-H cables.