



# LD5200



## MINIMIZES HIGH HUMIDITY FALSE ALARMS

### DESCRIPTION

LD5200 distance read panel has an innovative touch screen interface that accesses all basic functions. The LD5200 can operate as a stand-alone device, with the user configuring, monitoring, locating, and acknowledging leaks at the panel. It can also be connected to the building network and accessed via a web interface, which expands the capabilities of the unit, adding a convenient interactive facility mapping tool. When a leak is detected, the mapping tool displays the location in the building where the alarm occurred. Multiple communication protocols make the LD5200 readily compatible with existing building systems. Use with our SC or SC-C sensing cable for a complete solution to leak detection.

### FEATURES

- Touch screen interface allows access to basic functions...stand-alone configuration and monitoring
- Web interface offers expanded capabilities through the building mapping tool...pinpoint leaks quickly and accurately
- Multiple communication protocols available...easy integration into building systems
- Acts as a master device for up to 127 leak detection units with up to 10,000 feet of SC cable or 7000 feet of SC-C cable...monitor large areas with only one device
- Detailed alarm history with time and date stamps...assists in troubleshooting

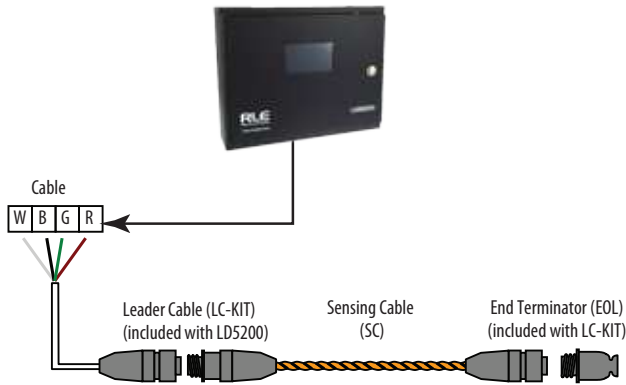
### SPECIFICATIONS

Agency Approvals	CE*; ETL listed: conforms to UL 61010-1, EN 61010-1; CAN/CSA C22.2 No. 61010-1; RoHS compliant
Input Power	100 to 240 Vac @ 500 mA max., 50/60 Hz
<b>INPUTS</b>	
Water Leak Detection Cable LC-KIT or LC-KIT-M	Requires 15 ft. (4.5 m) leader cable kit
Maximum Length	10000 ft. (3048 m), 7,000 ft. SC-C
Minimum Length	35 ft. (1037 m)
Detection Accuracy	± 2 ft (0.6 m) + 0.5% of the cable length
Detection Repeatability	± 2 ft (0.6 m) + 0.25% of the cable length
Detection Response Time	5 to 990 sec ± 2 sec, software adjustable in 5 sec increments
<b>OUTPUTS</b>	
Analog	4 to 20 mA Loop Powered, 18 to 36 Vdc, RL = 500 Ω max.
Relay	2 Form C Leak Relays, 2 Form C Cable Break Relays; 1 A @ 24 Vdc, 0.5 A resistive @ 120 Vac; configurable for supervised or non-supervised, latched or non-latched
Maintenance Relay	1 A @ 24 Vdc, 0.5 A resistive @ 120 Vac; configurable for supervised or non-supervised, latched or non-latched
<b>COMMUNICATIONS PORTS</b>	
EIA-232	9600 baud, No parity, 8 data bits, 1 stop bit
EIA-485 (Port 1, Port 2, Port 3)	9600, 19200, or 38400 baud (selectable); No parity, 8 data bits, 1 stop bit
RJ-45	10/100 Base T Ethernet port (TCP/IP)
<b>PROTOCOLS</b>	
Terminal Emulation EIA-232	VT100 compatible
Modbus RTU EIA-485	Master and slave; RTU Mode; BACnet MS/TP; N2, slave
RJ-45	Ethernet, TCP/IP; Modbus/TCP/UDP, Master and slave; SNMP V1, V2, V3, NTP, SMTP, DNS, BACnet/IP
<b>ALARM NOTIFICATION</b>	
Audible Alarm	85 dBA @ 2 ft. (0.6 m); re-sound 0 to 999 min.
Visible Alarm	Indicated on LCD touch screen & through web interface
<b>LOGGING CAPABILITIES</b>	
Event Log	Last 1024 events, downloadable to .txt files
Trend Log	Cable current level every day for the last 365 days, downloadable to .txt files
<b>LOGIN SECURITY</b>	
LCD Touch Screen	No password required to view controller status & data. Administrator password limits access to configuration options.
Web Interface	Username and password can be configured
<b>FRONT PANEL INTERFACE</b>	
Display	480 x 272 pixel color backlit LCD touch screen; 95.04 mm x 53-85 mm
<b>OPERATING ENVIRONMENT</b>	
Temperature	0 to 50 °C (32 to 122 °F)
Humidity	5 to 95% RH non-condensing
Altitude	15000 ft. (4572 m) max.
Mounting	NEMA 1 wall mount enclosure

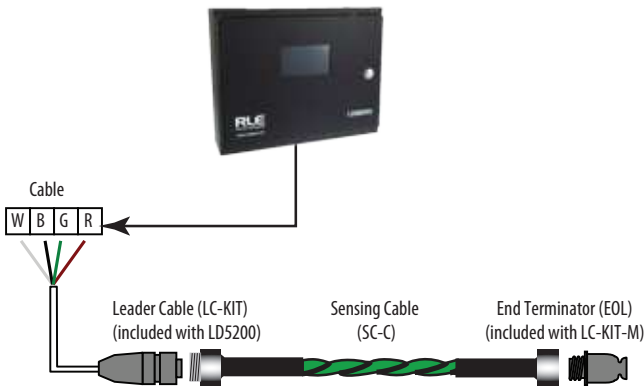
\*The CE mark indicates RoHS2 compliance. Please refer to the CE Declaration of Conformity for additional details.

## WIRING DIAGRAMS

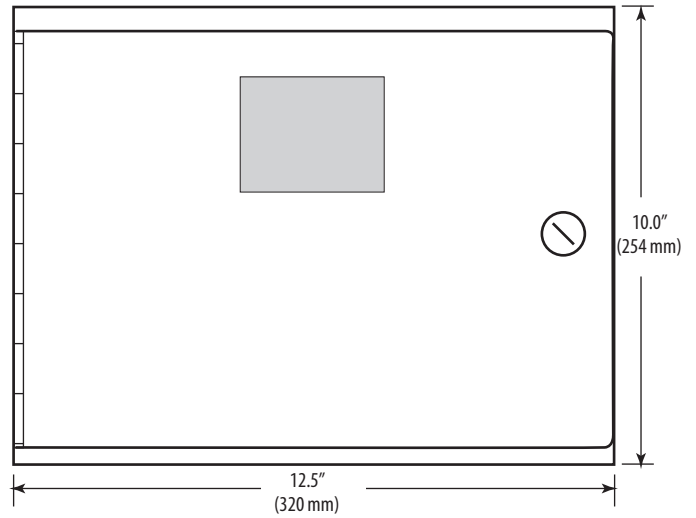
LD5200 Basic SC Installation



LD5200 Basic SC-C Installation



## DIMENSIONAL DRAWING



## WEB INTERFACE



## ORDERING INFORMATION



MODEL	MANUF. PART #	DESCRIPTION
U006-0079	LD5200	Leak Panel, Distance Read, supervised, multiple outputs: relay, 4 to 20 mA, Modbus RTU, leader cable and EOL terminator
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 cables (connects from leak panel to SC-C cable)
U006-0004	FM1114	Reference map, framed (11" x 14")

\*Included with LD5200.

\*\*Not included with LD5200. Required for installation of SC-C cables.

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