



HY-LITE WATER QUALITY INDICATOR SYSTEMS



Hy-Lite Water
Quality Indicator



Remote Alarm
Module



Relay Module

Hy-Lite Water Quality/Resistivity Indicator Systems incorporate exclusive Auto Temperature Compensation (ATC) and Surface Mount Technology (SMT) circuitry for unequaled accuracy. Proper TC design is especially important in high purity applications because the effect of temperature on resistivity/conductivity values varies significantly with purity level. For increased accuracy, the Hy-Lite ATC has been range-tuned to the appropriate TC factor for the particular setpoint resistivity.

A flashing red LED and integral audible alarm (non-alarm optional) insures fast response to changing water quality.

Hy-Lites can perform as a controller or remote indicator by connecting Relay and Remote Alarm Modules to the output port.

An insertion style resistivity cell with stainless steel electrodes allows for easy installation and rotational positioning in standard 1/2 or 3/4 inch threaded tees.

Hy-Lite Water Quality Indicator Lights

Setpoint	Hy-Lite with Alarm	Hy-Lite without Alarm
25 kilohm-cm	CH-HLA-025K	CH-HLS-025K
50 kilohm-cm	CH-HLA-050K	CH-HLS-050K
100 kilohm-cm	CH-HLA-100K	CH-HLS-100K
200 kilohm-cm	CH-HLA-200K	CH-HLS-200K
500 kilohm-cm	CH-HLA-500K	CH-HLS-500K
1 megohm-cm	CH-HLA-001M	CH-HLS-001M
2 megohm-cm	CH-HLA-002M	CH-HLS-002M
3 megohm-cm	CH-HLA-003M	CH-HLS-003M
5 megohm-cm	CH-HLA-005M	CH-HLS-005M

Additional Equipment & Accessories

CH-RMA	Remote Alarm Module
CH-RMR	Relay Module
CH-RMAR	Remote Alarm Module with Re-Alarm
CH-HLTR-A	Transformer, US, 110 AC/12VDC, 8 ft
CH-HLTR-B	Transformer, Euro, 230VAC/50Hz/12VDC
CH-HLPC-8	Hy-Lite to Hy-Lite Patchcord, 8 ft
CH-RPC-010	Hy-Lite to Remote Module Cable, 10 ft
CH-RPC-050	Hy-Lite to Remote Module Cable, 50 ft
CH-RPC-100	Hy-Lite to Remote Module Cable, 100 ft
CH-RPC-200	Hy-Lite to Remote Module Cable, 200 ft

Specifications

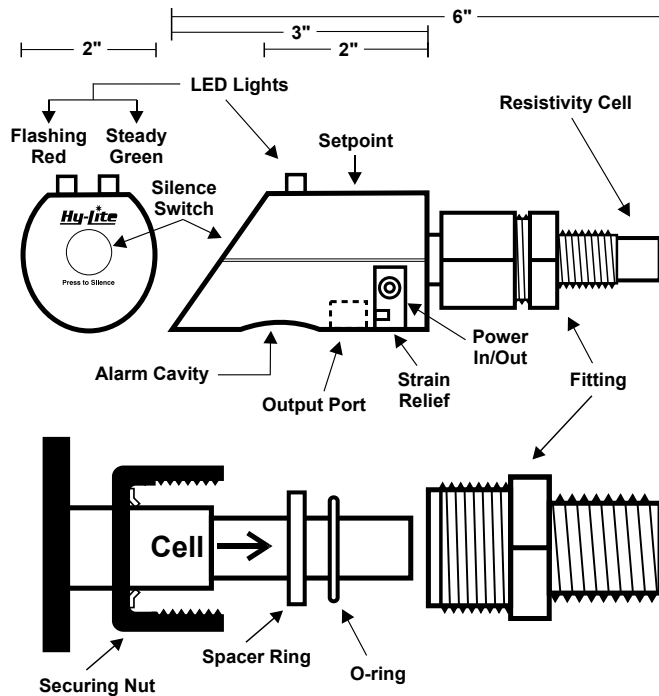
Accuracy	± 3% @ 5 to 45°C (41 to 113°F)
Repeatability	± 1%
Temperature Compensation	Automatic to 25°C (77°F) from 5 to 45°C
Setpoints (single fixed)	25, 50, 100, 200, 500 kilohm-cm @ 25°C 1, 2, 3, 5 megohm-cm @ 25°C
Visual Display	Steady green and flashing red LEDs
Audible Alarm.....	Peizo-electric with membrane reset switch; > 70 dB @ 3 feet, 4 kHz ± 10%
Circuitry	Surface Mount Technology (SMT)
Input Power	12 VDC (isolated) ; 30 mA
Transformer.....	Plug-in, class 2, UL & CSA approved, Input 110 VAC, 50-60 Hz / Output 12 VDC @ 200 mA, integral 6 ft cable (alternate transformers available)
Hy-Lite to Hy-Lite Patchcord	8 ft with male termination
Module Interconnection	4 wire, 26 gauge, UL4110 telephone cable with FCC 68 modular handset connectors
Materials of Construction	Wetted: 303 SS, ABS, polypropylene, Viton Non-Wetted: ABS enclosure, polyester labels
Operating Pressure.....	0 to 150 psi
Fittings.....	1/2 or 3/4 inch MNPT provided
Dimensions	6 inch length, 2 inch width, 2 inch height

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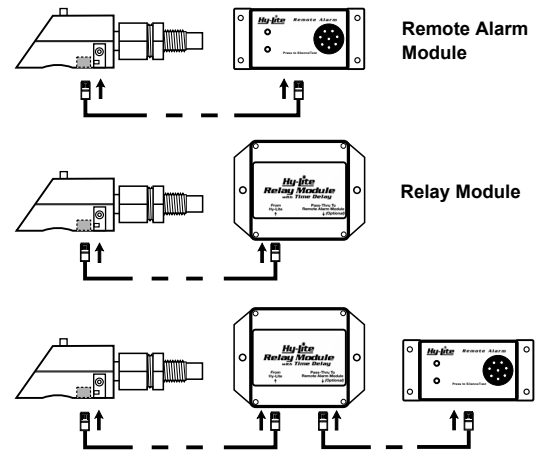
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Identification Drawing

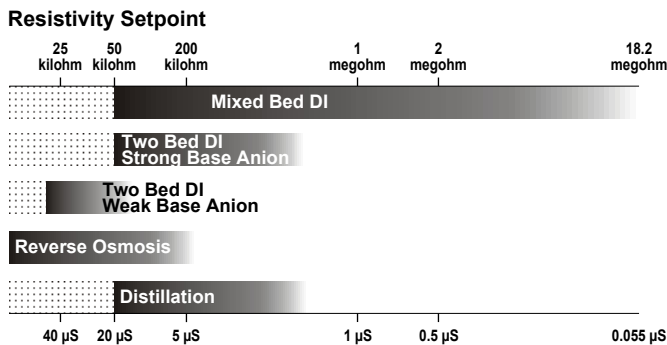


Control and Remote Alarm Capability

Hy-Lites have an output port for connection to Relay and/or Remote Alarm Modules at distances up to 700 feet! Telephone type cable/connectors result in fast and easy installation.



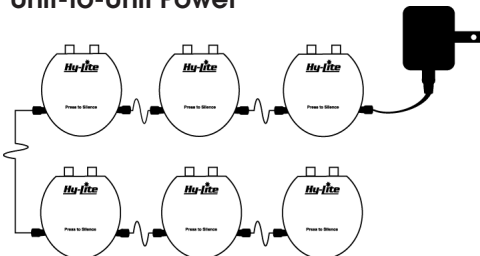
Application



The Remote Alarm Module has a peizo alarm, green and red LEDs, and silence switch to duplicate the operational status of the connected Hy-Lite. Both units act as a system—silencing the alarm at either location will silence both alarms. The alarm module is housed in a wall mountable enclosure and can be ordered with an optional auto re-alarm feature.

The Relay Module allows the Hy-Lite to perform as a controller of valves, custom alarm systems, etc. A 1 amp SPDT undedicated relay features an adjustable time delay to compensate for expected equipment rinse-up times. There is also a signal pass-thru feature permitting the relay module to be used with the remote alarm module.

Unit-to-Unit Power



Up to six (6) Hy-Lites can be powered with a single power supply by connecting the Hy-Lites to each other using patchcord CH-HLPC-8 (sold separately).