Hydro-Check
SYSTEMS, INC

Hy-Lite

The Water Quality Indicator System with *Accuracy, Alarm, Control,* At The DI Tanks, OR, 700 feet Away!

✓ **Auto Temperature Compensation**
✓ **Built-In Alarm** (non-alarm available)
✓ **Steady Green/*Flashing* Red LEDs**
✓ **Output Port for Relay & Remote Alarm Modules**
✓ **6 units per single transformer/outlet**
✓ **Safe 12 VDC**
✓ **Easy 1/2" or 3/4" installation**
✓ **5 Set-points available**

Accuracy

Auto Temperature Compensation (ATC) and **Surface Mount Technology** (SMT) electronics achieve ±3% accuracy with ±1% repeatability over a temperature span of 5 - 45°C (41- 113°F).

5 Set - Points

Hy-Lites are available in 5 fixed set-points most popular for monitoring both two-bed and mixed-bed DI systems. Application can also include RO and Distillation:

25, 50, 200 kilohm-cm @ 25° C
1, 2, megohm-cm @ 25° C

Unit-to-Unit Power

Power Supply Plug-in Transformer 12 VDC Output
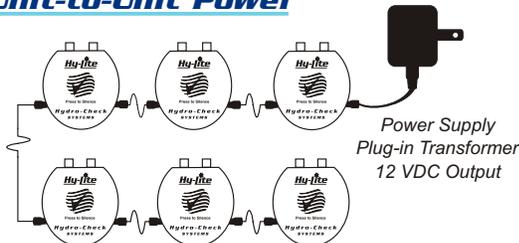
Up to 6 Hy-Lites can be plugged into each other greatly reducing congestion at the wall outlet. The results are a more professional installation! Operational power is a safe 12 VDC supplied by a plug-in style transformer.

Visual & Audible Alarm

Easy to see Green and Red LEDs continuously display the status of pure water quality relative to set-point rating. Whenever the water is of acceptable purity, the Green light remains on. Should the purity fall below set-point, the Red light *Flashes* and the **built-in peizo Alarm** sounds! The alarm can be silenced by pressing the **membrane switch** in the front label, and will not resound until the next Red light condition occurs.

Alarm / Display Modes

Above Set-point	Below Set-point	Below Set-point *after pressing switch*
Steady Green LED	Flashing Red LED	Flashing Red LED

Audible Alarm
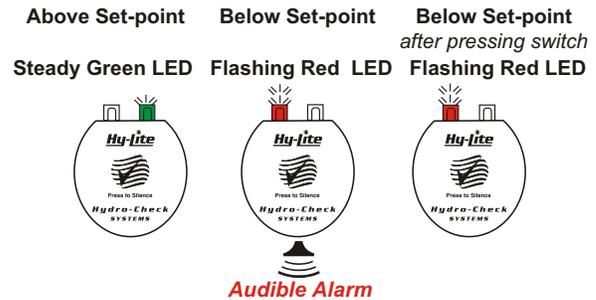
Versatile Insertion Cell

The integral cell is designed for installation in standard threaded tees. 1/2" & 3/4" mNPT polypro fittings are provided. Cell construction is of trouble-free Stainless Steel electrodes and ABS.

Control & 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, *click-click*, installation.


The Remote Alarm Module has a peizo alarm, green/red LEDs, and silence switch to duplicate the operational status of the connected Hy-Lite. Both units act as a system, since silencing the alarm at either location will silence both alarms. The alarm module can also be ordered with an 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 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.

Identification Drawing

Module Configurations

Remote Alarm Module

Relay Module
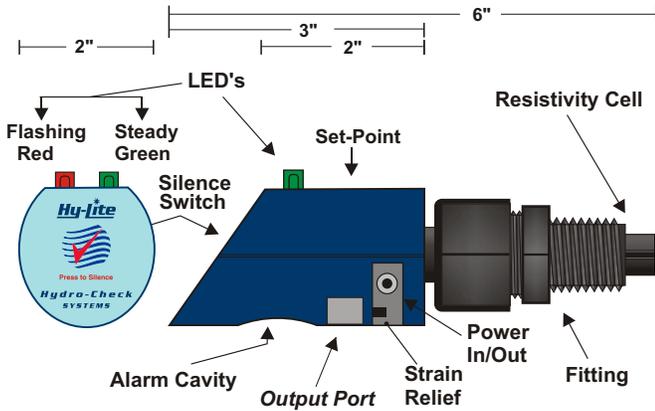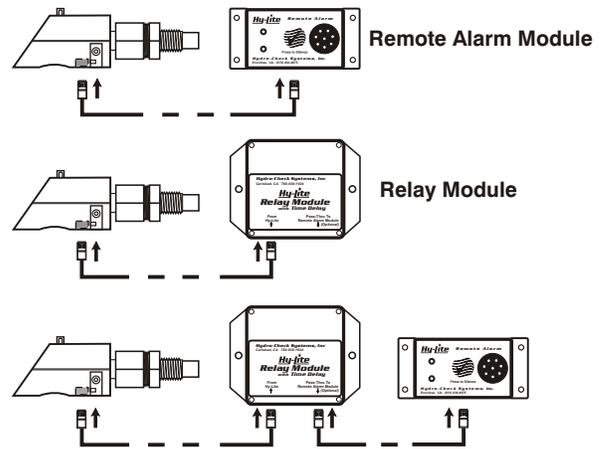
Specifications

Accuracy: ± 3% @ 5-45°C

Repeatability: ± 1%

Temperature Compensation: Automatic to 25°C from 5-45°C (41-113° F)

Available Set-Points: (single fixed) 25, 50, 200 kilohm-cm @ 25°C
1, 2 megohm-cm @ 25°C

Visual Display: Steady Green & Flashing Red LEDs

Audible Alarm: 70db peizo alarm with membrane overlay kill switch

Circuitry: Surface Mount Technology (SMT)

Input Power: 12VDC; 30 milliamps

Transformer: Plug-in, class 2, UL & CSA approved,
Input 110 VAC, 50-60 Hz / Output 12 VDC @ 200 mA
integral 6' cable

Patchcord: 8' with male termination's

Output to Module Connection: 4 wire, 26 ga, UL4110 telephone cable
with FCC modular handset connectors

Materials of Construction:
Wetted: 303 SS, ABS, Polypropylene, Viton
Non-Wetted: enclosure/ABS ; labels/polyester, chrome-mylar

Operating Pressure: 0 - 150psi   **Fittings:** 1/2" or 3/4" mNPT

Dimensions: overall length - 6"...enclosure length - 3"... width - 2"
overall height w/LED's - 2"

Ordering Information

Model: **Description:**

HLA   **Hy-Lite with Alarm & Output Port**
-25 , -50 ,or -200 kilohm-cm
-1, or -2 megohm-cm

HLS   **Silent Hy-Lite with Output Port**
-25, -50, or -200 kilohm-cm
-1, or -2 megohm-cm

RMA   **Remote Alarm Module**

RMR   **Relay Module**

RMAR   **Remote Alarm Module with Re-Alarm**

Note: Transformers and Patchcords Ordered Separately

Accessories:

HyTran-A,
Plug-in 110 VAC/12 VDC Transformer
with 8' output cord

HyTran-B, Euro
Plug-in 230VAC/50Hz/12VDC *Euro-style* plug
*contact factory for other power configurations

HyPC,
Hy-Lite to Hy-Lite Patchcord, 8'

RPC,
Hy-Lite to Remote Module Cables,
-10, -50, -100, -200 ft, custom lengths

The *Hydro-Check Systems Hy-Lite, Modules, and accessories* have a warranty against defects in materials and workmanship for a period of 2 years from the date of manufacture. Warranty items returned prepaid will be repaired or replaced by the factory at no charge. Warranty applies only to product defects and *Hydro-Check Systems* accepts no other liability.

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