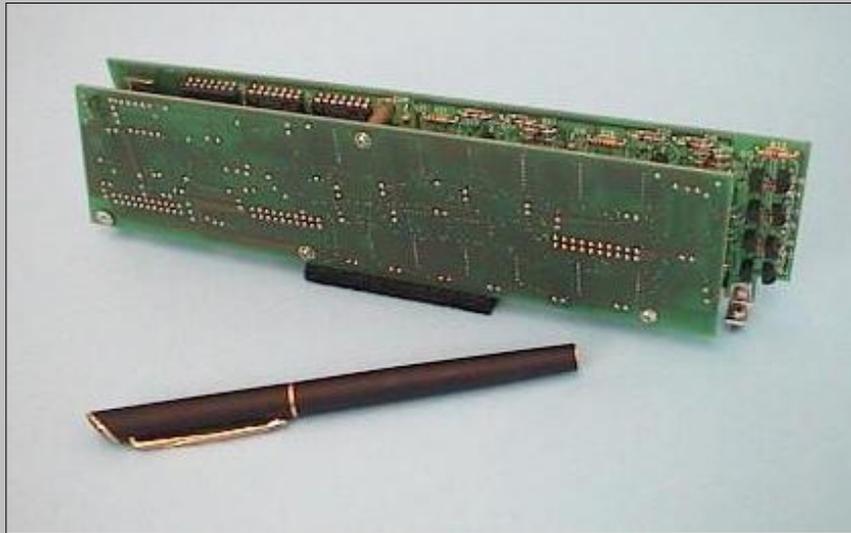


HyperLogger HLIM-8 Event Input / Alarm Output Interface Module

Features...

- 8 Inputs, individually programmable as Event input or Alarm Outputs
- Outputs are current limit protected
- Direct connection to switches, relay contacts, etc
- Integral Pull-up resistors
- Compatible with Open-collector type signals
- Plug and Play compatibility with HyperLogger data logging system
- Encoded module ID for automatic identification
- I/O protected from over-range



HLIM-8 Overview...

The HLIM-8 HyperLogger family Interface Module provides 8 discrete channels that can be individually programmed as Event type *inputs* or current limited On/Off voltage *outputs*. The HLIM-8 channels are configured completely via the HyperWare software. Input type selection, and features such as input debounce are simply User specified during the programming sequence for the HyperLogger. When used as Event inputs, the HyperLogger logs only the date/time when transitions occur. (i.e. when the signal turns On or Off)... conserving memory.

Channels configured as Event inputs include an integral pull-up resistor, allowing the HLIM-8 to be connected directly to un-powered signals such as switch contacts, reed relays, relay contacts, and open collector type devices. For mechanical switches that may have contact bounce, a debounce filter can be activated on a channel by channel basis. Alternatively, the HLIM-8 inputs can also be overdriven with On/Off voltages from active devices such as PLC's or powered switches. Direct interface to TTL levels and above is easily handled by the HLIM-8.

Channels configured as outputs are current limited to approximately 5mA. Drive capability is sufficient in most cases to directly power LED indicators and/or opto-isolator controlled circuits or devices.

The HLIM-8 simply secures into the HyperLogger backplane within the System Base.. and can be added in the field by the User. The module installation and hardware configuration is automatically detected via the HyperLogger and communicated to the HyperWare software during the programming process. Input types, and other setup parameters are then software selected via the unique and powerful HyperWare icon based programming system.

All modules are calibrated, 100% performance and accuracy tested before shipping.. assuring Users of a consistent high quality product.

HLIM-8 Applications...

- **Alarm Outputs** - The HLIM-8 in concert with the HyperLogger data logging system and HyperWare software can be used to activate outside devices or circuits. In many cases, the output drive capability of the HLIM-8 module is sufficient to directly power an LED or opto-isolator. Contact factory for compatible solid state relays.
- **Pump Cycle Recording** - Log lift station turn-on and turn-off cycles. Coupled with the Duty-Cycle icon function within the HyperWare software, duty-cycles and/or loading can easily be characterized.
- **Event Monitoring** - With the simple interface, level alarms, tamper signals door openings, etc can all be monitored and logged.

HLIM-8 Technical Specifications...

Eight channel I/O Module allows for User configuration of each channels as Input or Output (individually selectable).

Input Signal:	Contact Closure or voltage driven input (0 to 26VDC max.) Software enabled Debounce.
Output Signal:	OFF=Tri-State (Floating) ON= 5 VDC. Short Circuit protected. Max Output Current = 5mA (apx)

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