



Fiber Optic Components

EHT PRODUCTS

Precision Integrators

Precision Continuous Integrator PCI1

Fiber Optic Components

1 Channel Fiber to BNC FR-1

1 Channel BNC to Fiber FT-1

8 Channel Fiber Receiver FR-8

8 Channel Fiber Transmitter FT-8

Interlock Controller ILC-16

Power and Switching

High Power IGBT Switching

Piezo/Puff Valve Drivers

30 kV Isolated Control Power

Services

Custom Pulsed Power Design

Ultra High Vacuum Design

Experimental Systems Design

Technology

High-Ionization Plasma Sources

Cubesat Micropropulsion

GPU Parallelized Computation

16 Channel Fiber Interlock Controller (ILC-16)



The ILC-16 16 channel fiber interlock control unit from Eagle Harbor Technologies Inc. offers flexible and expandable interfacing for typical laboratory control needs. The ILC-16 allows simultaneous monitoring of up to 16 optical input status channels. A fault condition on any of the 16 channels will disable the interlocked master channel until the unit is reset. Active confirmation with normally high logic is used for robustness. The unit comes with an interlock status output via both fiber optic and BNC to allow for remote monitoring and multi-unit parallel operation. Robust and reliable, the ILC-16 is ideal for noise immune interlock control using inexpensive jacketed 2.2 mm plastic fiber. The ILC-16 includes manually switched internal enable/disable channel control for ultimate flexibility. The brilliant front panel LEDs indicate channel activity, interlock ready/fault status, and power. A front panel momentary switch for fault condition reset allows control of the interlock reset from the safety of the control room. The ILC-16 is fully compatible with all EHT fiber transmitters and receivers, including the FT-1/FR-1 single channel units, and the FT-8/FR-8 8 channel multifunction units.

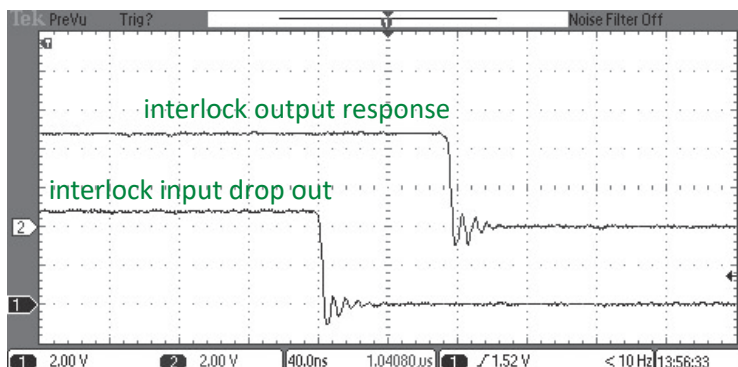
- 16 channel modular unit that allows for unlimited expansion to higher channel count
- User configurable interlock channel inputs; enable 1 to 16 channels per unit as needed
- Uses robust inexpensive 2.2mm jacketed plastic fiber with no end polishing or connector required
- Visual, fiber optic and BNC interlock status output

specifications

- 1 U rack mount enclosure
- Rise/fall time < 5 ns
- Jitter < 2 ns
- Response delay less than 100 ns
- Front panel MOM reset

Included in the box:

- ILC-16 19" 1U rack unit,
- 120V Equipment Cord,
- Quick Start Guide



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