

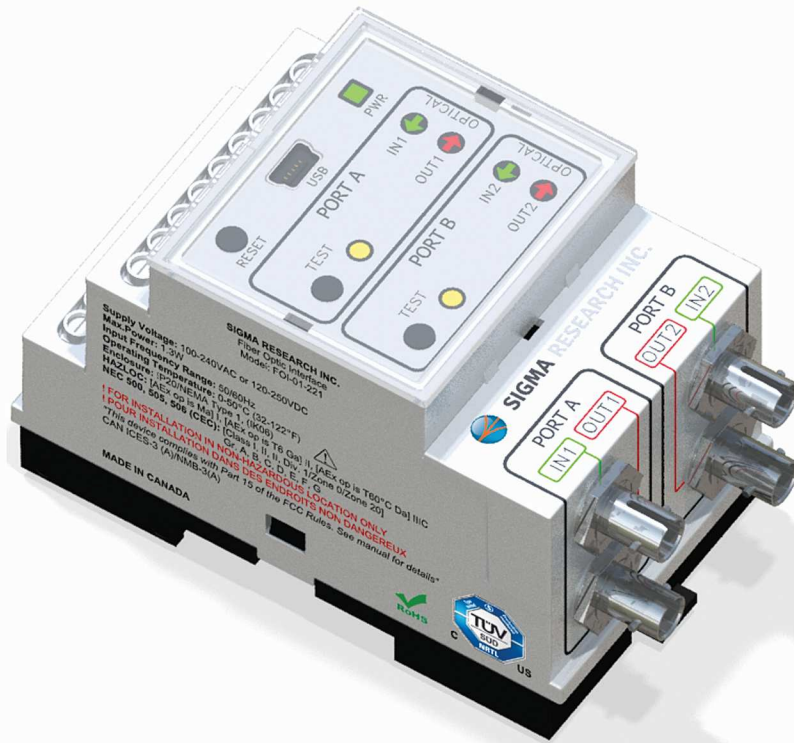
FIBER OPTIC INTERFACE



**SIGMA
RESEARCH INC.**

FEATURES

- Interfaces Fiber Optic Switches (FiberSwitch™) to electrical circuits.
- Provides a safe optical signal that can be sent into hazardous areas, as required by IEC 60079-28.
- Equipped with two optical I/O, and two electrical I/O.
- Uses standard multimode fiber optic cable and ST connectors.
- Long distance optical signal transmission with no interference.
- Low power consumption (<2.0W).
- Accepts a wide range of power supply voltages.
- Performs fiber optic loop tests.
- Programmable to suit many applications (OptiLink software included).



US Patent: 7,786,428 Canada Patent: CA 2,614,920

Installation With FiberSwitch™

- Uses standard Mini Type B USB connector for computer connectivity.
- Networkable over RS485 (Modbus RTU), also provides support for networkable fiber optic switches (FiberSwitch™) over Modbus RTU(RS485), or Modbus TCP/IP (Ethernet).
- Uses high efficient VCSEL diodes for the optical outputs.
- Generates alarm for interface malfunction and power loss.
- Electrical inputs are ESD protected (4kV contact discharge, 8kV air discharge as per IEC 61000-4-2).



Hazardous Area



Non-Hazardous Area

SPECIFICATIONS

- **Supply Voltage:** 100-240VAC or 120-250VDC
- **Input Frequency Range (for AC input):** 50/60Hz
- **Operating Temperature Range:** 0 - 50°C (32 - 122°F)
- **Fiber Type:** Multimode 62.5/125µm, OM1
- **Enclosure:** IP20 / NEMA Type 1
- **ANSI/ISA 60079-28:** [AEx op is I/IIC/IIIC T6 60°C MaGaDa] **NEC 500,505,506 (CEC):** [Cl. I,II,III,Div. 1,2/Zone 0/Zone 20]
- **Contacts:** 1 Form A (NO contact) per output, 5A@240VAC
- **Software:** OptiLink, OptiNet(Modbus RTU/TCP Master)
- **Dimensions:** 99.5(3.91")L x 52.5 (2.06")W x 58.0(2.28")H
- **Weight:** 185g (6.5oz)