CLEVELAND ELECTRIC LABORATORIES
Thermocouples & Sensing Solutions since 1920

FiberStrike®
by Cleveland Electric Labs
LIGHT CAPTURING MOTION

LCM-2500 Discrete Relay Interface

High-security threats to our nation's critical infrastructure are a serious concern for military installations, telecom providers, data centers, utility companies, municipalities, stadiums, and secure campus environments.

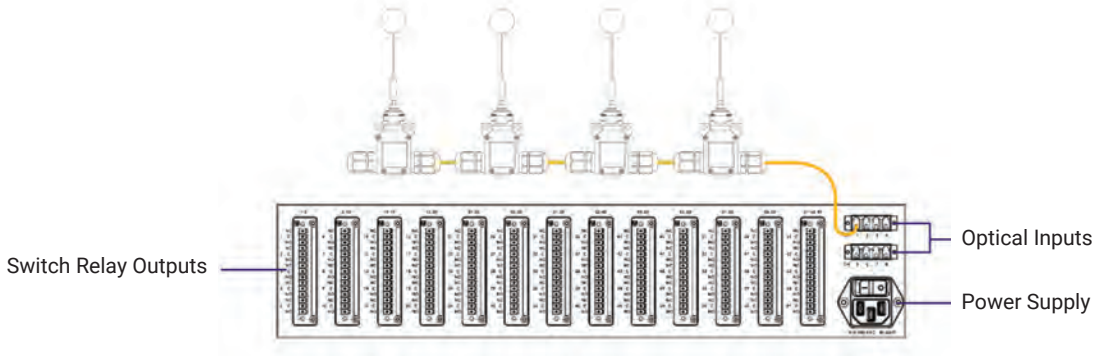
A state-of-the art solution for monitoring the security status of virtually any access point such as manholes, hatchways, manholes, and vaults.

- The DRI is designed to display and control alarm event switching for up to 64 fiber optic tamper switches. When a switch is opened or closed – the associated dry contact relay output activates in less than one second.
- Each optical channel utilizes one strand of SM fiber with several uniquely addressed switches installed in series.
- Custom configurations are available for larger sensor count systems as well as Physical Security Information Management (PSIM) software-based systems where C3 or C4 integration is required.
- Each switch is monitored continuously, and intrusion events are immediately reported by the DRI.

MADE IN THE USA

Phone: (480) 967-2501 | Email: sales@cel-atg.com | www.cel-atg.com

Processing and Measurement	
Wavelength Range	70nm (1515 - 1585nm)
Available Center Wavelengths, Nanometers	1518.5, 1527.5, 1536.5, 1545.5, 1554.5, 1563.5, 1572.5, 1581.5
Sampling Speed	19.2 kHz
Optical Channels	8
Optical Switches Per Controller	Up to 8
Maximum Switches Per Controller	64
Data Output	Dry relay contacts for each optical switch
Onboard Data Storage	4 GB standard, 1 TB optional
Data Logging	Switch events are stored for historical review



System diagram depicting four discrete optical switches series connected via single strand of fiber and no end termination. Switches may be located at any position on the fiber up to 10mi/16km from the controller, and utilize standard telecommunications grade single mode fiber.

Mechanical, Environmental, and Electrical	
Weight	11.5 lbs / 5.3 kg
Enclosure	Industry standard 2u 19” rack mount
Dimensions L x W x H	16.6 x 18 x 3.5” / 421 x 457 x 89 mm (w/o mounting tabs)
Operating Temperature	14 to 122 °F / -10 to 50 °C
Communication Interface	Dry relay contacts, NC / NO via terminal screws
Optical Connectors	LC-APC single
Input Voltage	12V DC (110/220V AC power adapter included)
Power Consumption	Typical 15W, Maximum 60W
Dry Contact Relay Rating	2A @60V DC / 42V AC resistive loads
Display	16 x 2 Character OLED

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