

## LCM-600 Fiber Optic Interlock Switches

A state-of-the-art solution for monitoring the status of virtually any access point.

With the scalable distances allowed by fiber optics, our interlock switches can be networked across a wide area while utilizing existing standard communication fiber networks.



### Additional Advantages:

- ✓ Immunity to issues that plague electrical systems
- ✓ Network multiple quantity of sensors on a single fiber
- ✓ Monitor tens of kilometers from base unit



## Sensing Solutions For Intrusion Detection

FiberStrike switches were created for intrusion detection at access points such as hatchways, manholes, and handholes.

### Ideal For:

- ✓ High EMI/RFI industrial environments
- ✓ Open close points in a network

### System Operations:

- ✓ Dry contact (off grid)
- ✓ Software based



*FiberStrike actuator heads available for multiple applications.*

### Switch Properties

<b>IP Rating</b>	IP66
<b>Housing Materials</b>	Zamak with thermoplastic head, polyamide strain relief
<b>Mechanical Life</b>	1,000,000 cycles
<b>Switching Principal</b>	FBG strain state change
<b>Max. Frequency of Operation</b>	2Hz
<b>Mounting Type</b>	Two 5mm holes on 41 mm centers

### Optical Properties

<b>Sensitivity</b>	1nm between open and close states
<b>Accuracy</b>	N/A
<b>Temperature Range</b>	-40°C to +80°C
<b>Connection Type</b>	Armored fiber pigtail
<b>Reflectivity</b>	>70%
<b>Wavelength Range</b>	Standard: 1512 to 1588nm in 4nm intervals; extended range of 1460 to 1620nm is available

