



ZONING CONTROL UNIT 850NM (STANDARD) OMS-CMV

ZONING CONTROL UNIT 1310NM (EXTENDED) OMS-CML



The Zoning Control Unit is the heart of both the Opti-Mag Sensor and the Fiber Fence Sensor Systems. Using a laser, the Control Unit sends light through the fiber optic cable to one or more Opti-Mag or Mouse Trip sensors to which it is connected. When one of those sensors detect an event, the amount of light sent back to the Control Unit is reduced, thus causing the Unit to trigger a relay switch that can provide any number of desired outcomes. Multiple control units provide multiple zone location sensing. For example, the relay can be configured to sound an alarm to an automated telephone dialup system.

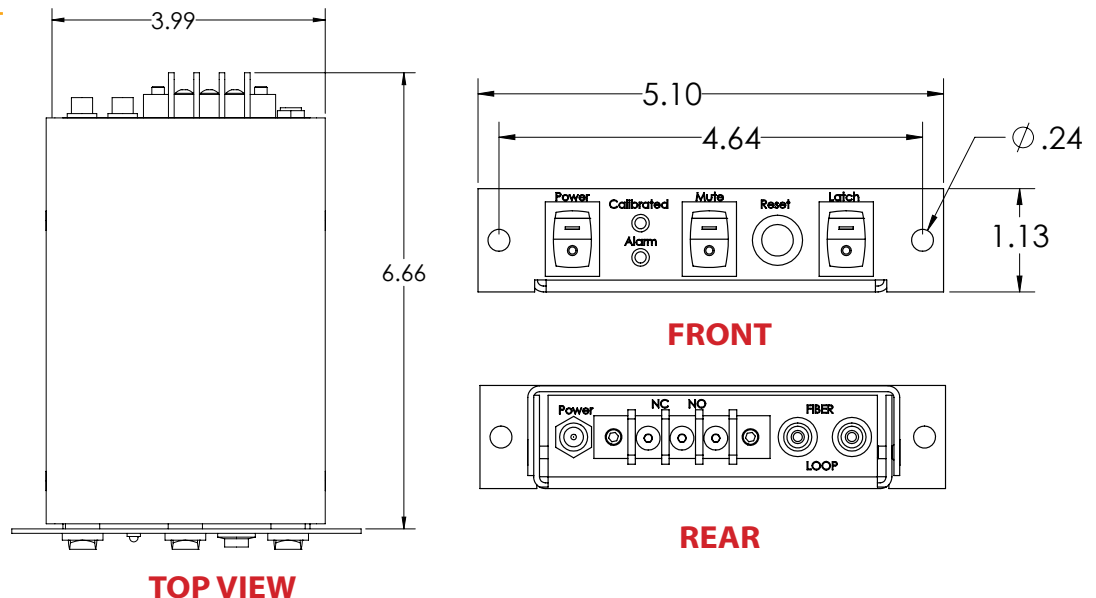
The Zoning Control Unit is available in two different light source models; an 850NM VCSEL unit for standard (3km) transmission range applications, or a 1310NM high-power laser for use in extended range applications (10km.) Use the appropriate Zoning Control Unit based on the total perimeter length of the installation application.

KEY FEATURES 850NM

- 3km Transmission Range
- Automatic Calibration
- Easy to install & use
- 8dB Dynamic Range
- Less .5 sec response time

KEY FEATURES 1310NM

- 10km Transmission Range
- Automatic Calibration
- Easy to install & use
- 23dB Dynamic Range
- Less .5 sec response time



850NM (STANDARD) SPECIFICATIONS

Operating Wavelength	850nm SM Fiber
Optical Connectors	FC or ST
Dynamic Range	8dB*
Operating Temperature	0° to 50°C
Power Requirements	110 VAC 50-60Hz
Operating Voltage	9Vdc 300mA (center positive)
Fiber Type	Sensing Fiber 9/125µm

*All specifications tested with 9/125µm sensing fiber

1310NM (EXTENDED - LASER) SPECIFICATIONS

Operating Wavelength	1310nm SM Fiber
Optical Connectors	FC or ST
Dynamic Range	23dB*
Operating Temperature	0° to 50°C
Power Requirements	110 VAC 50-60Hz
Operating Voltage	9Vdc 300mA (center positive)
Fiber Type	Sensing Fiber 9/125µm

* 220 Vac - 9Vdc 1A is available for both units upon request