Near IR Remote Sensor - Installation Instructions

Models NL.EX.D1.B, NL.EX.D3.B

Please read all instructions prior to installation and keep for future reference!

All installations must be executed in accordance with local codes. The installing contractor assumes all liability for the safety and code compliance of the installation. Optic Arts is not liable for any damages caused by improper wiring, circuit overloading, power surges, poor system design or layout, negligence or other conditions.

CAUTION: TO PREVENT THE RISK OF FIRE, DO NOT INSTALL CLOSER THAN 3 INCHES TO CABINET WALL OR IN A COMPARTMENT SMALLER THAN 12" BY 12".

PLENUM FOR SUCH USE IN ACCORDANCE WITH UL2043

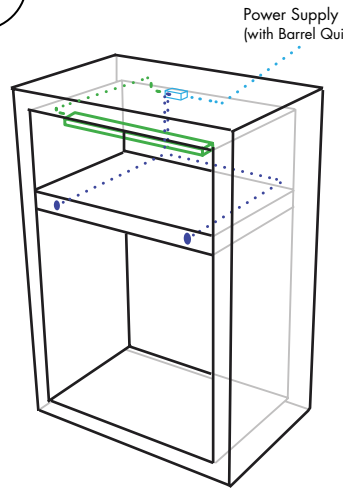
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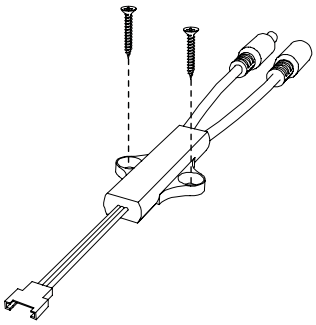
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Built-In Motion Sensor Installation

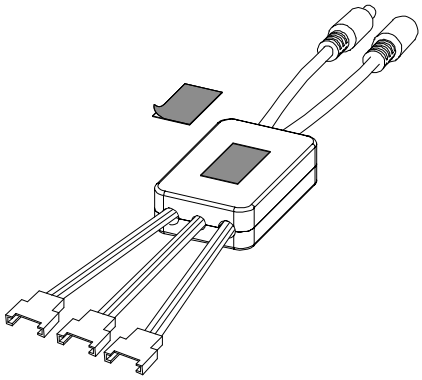
1



*EXAMPLE OF FINISHED WIRED CLOSET



NL.EX.D1.B
Near IR Remote Switch, 1 IR Sensor



NL.EX.D3.B
Near IR Remote Switch, 3 IR Sensors

1.1 Locate a mounting surface for the External Sensor Unit and driver.

1.2 Install onto surface

Note: NL.EX.D3.B (3 sensor) does not have integral mounting holes. Double sided tape, velcro tape, or the like, will be needed to secure to mounting surface.

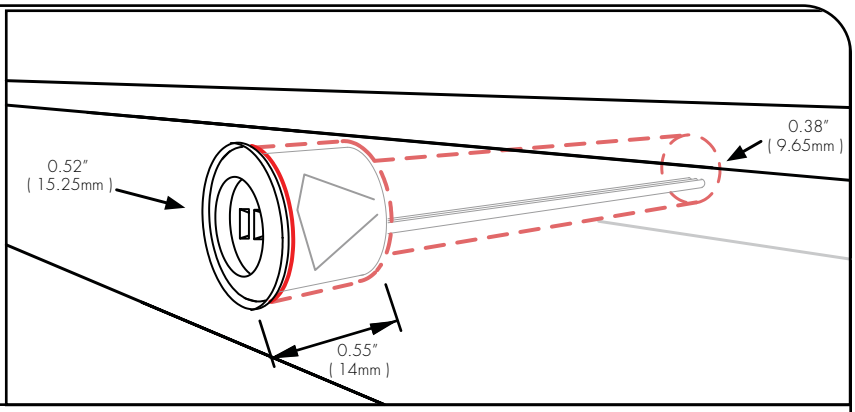
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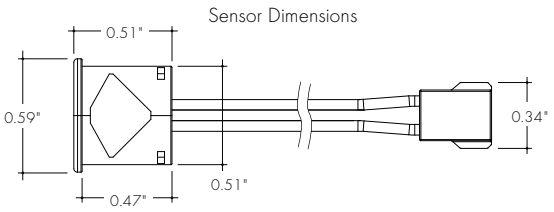
2.1 Specify location of sensor and drill a wiring hole 0.38" in diameter

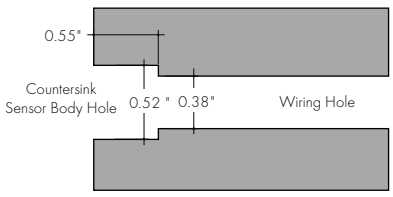
2.2 Countersink another hole 0.53" diameter at least 0.55" deep to accommodate sensor body.

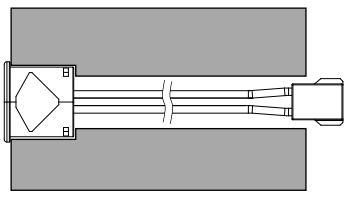
2.3 Feed wire lead through hole and press sensor in.

2.4 Repeat for each sensor.









Near IR Remote Sensor - Installation Instructions

Models NL.EX.D1.B, NL.EX.D3.B

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PLENUM FOR SUCH USE IN ACCORDANCE WITH UL2043

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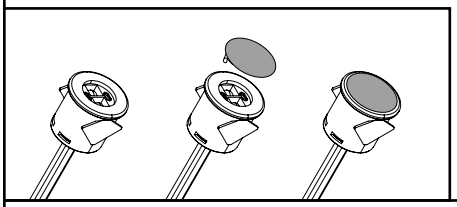
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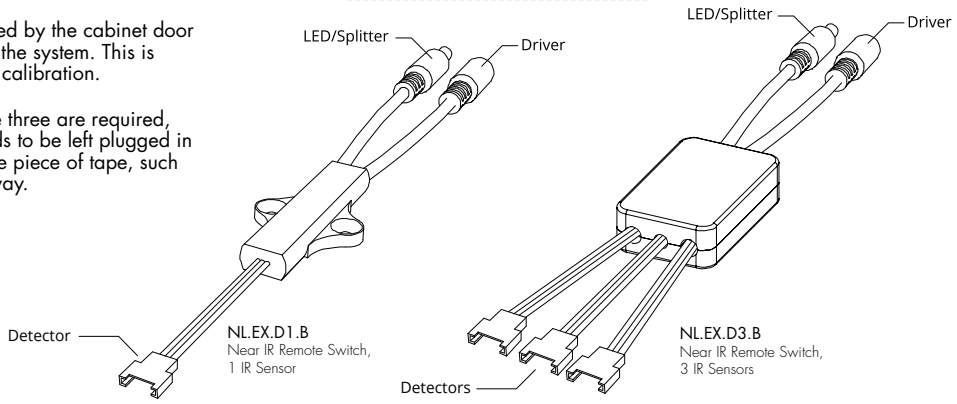
3.1 Attach all wire leads to sensor per diagram.

3.2 Ensure all sensors are covered by the cabinet door or similar prior to power on the system. This is necessary for proper sensor calibration.

Note: If only two sensors out of the three are required, the third unused sensor needs to be left plugged in and covered with an opague piece of tape, such as duct tape, and tucked away.

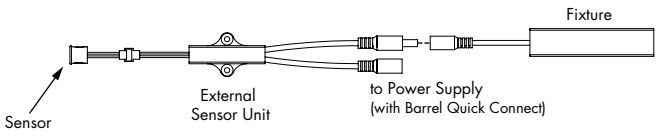


Extrenal Sensor Unit

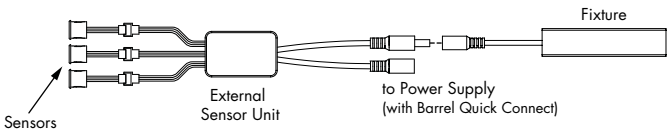


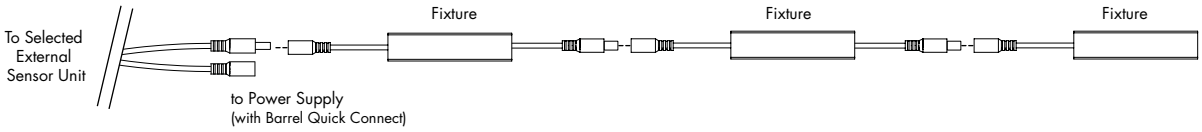
WIRING DIAGRAM (EXTERNAL MOTION SENSOR)

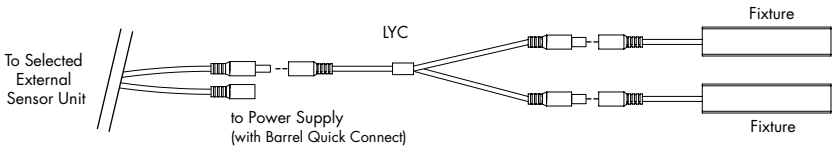
NL.EX.D1.B
Near IR Remote Switch, 1 IR Sensor



NL.EX.D3.B
Near IR Remote Switch, 3 IR Sensors

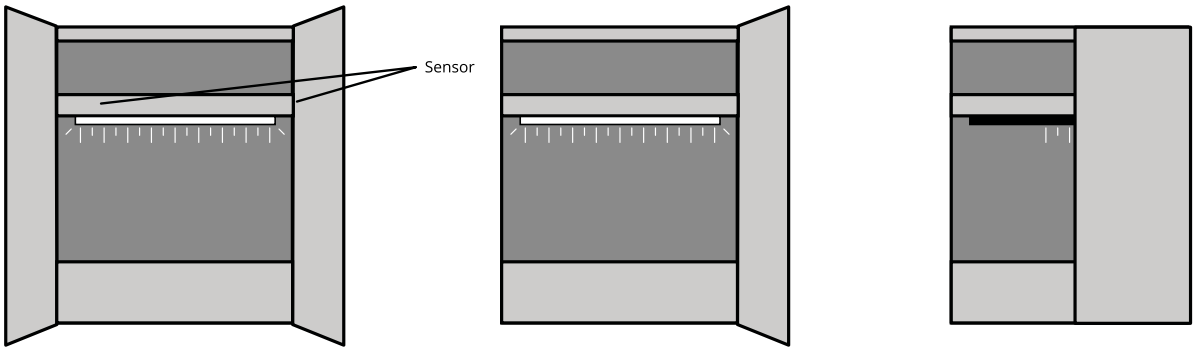






4

Door Mode: To test system functionality, open door to check if the fixture(s) will turn on. If closet has more than one door, open each door individually to check if each sensor is working correctly. When doors are open, the fixture will automically turn on. If all doors are closed, the fixture will automatically turn off.



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