

170 Traymore Blvd.
Eastlake, OH 44095

OPERATING INSTRUCTIONS – Retro Reflective Sensor Kit 1

- 1) After unpacking your new sensor kit you should have 3 parts, the sensor, a mounting bracket, and a reflector. First thing to do is to attach the mounting bracket using the provided nut to the bottom of the sensor.
- 2) There are 5 colored wires on your sensor cable. For your sensor to operate it requires a source of 12-250vdc or 24-250vac to be connected to the brown and blue wires, polarity doesn't matter. For safety reasons we recommend using low voltage (12 or 24) to power your sensor.
- 3) Your sensor is equipped with an internal 5 amp relay. Normal operation would be to connect the normally open contact wires (yellow and black) to what ever prop controller, valve, light, etc. that you will be turning on or triggering with your sensor. The white wire is very rarely used.
- 4) There is a selection switch under the water tight cover of your sensor marked with LO and DO. These mean Light Operate and Dark Operate. When Light operate is selected it means that the relay will be triggered whenever it sees it's reflector, and shut off when something breaks the beam. This is NOT the normal usage in a Haunted Attraction. You will 99% off the time want to have DO or Dark Operate selected which will cause the relay to trigger your device when someone steps between the sensor and reflector breaking the beam of light.
- 5) Next you will need to mount your sensor to the wall with the provided bracket. Any means that hold your sensor in place are acceptable. About 12" off the ground is usually the most efficient place to mount your sensor. The sensor has a range of over 20' so hiding your sensor and reflector away from the edge of the hallway is easily handled to hide them from the customers.
- 6) You will need to mount your reflector. With power on to the sensor (The green light will light) move your sensor into position until the red lights start blinking, the faster the blinking the better the position. Screw your reflector to the wall. When you place your hand in front of the reflector the yellow light should activate telling you your sensor placement, hook up, and settings are correct.
- 7) If you ordered your sensor with timing logic board instructions are provided separately.

- 8) Quick setup for normal operation:
- a) Hook up power to brown and blue
 - b) Hook up triggered device to black and yellow
 - c) Select DO under cover of sensor
 - d) Mount sensor to wall
 - e) Mount reflector
 - f) Scare your customers with out even trying

If you need any assistance in hooking up your new sensor and/of interfacing it to your props or sensors please call or email (see below).

DISCLAIMER! Evilusions LLC is not to be held liable for injuries, death, or property damage caused by the improper use of or inability to use this product, misuse of this product for purposes that it is not intended, or complete lack of common sense.

WARNING! This product is not designed to be used in a wet environment. If used outside, or in a damp environment all precautions should be made to prevent it from getting wet. Permanent damage to the product, persons, or property can occur.

Any questions, comments or problems please feel free to contact us
through e-mail at:
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Or call us at: 440-655-5796