



ENFORCER Outdoor Wave-to-Open Sensors User Manual

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ENFORCER® Outdoor Wave-to-Open Sensors User Manual



Language	Slimline	Single-Gang	European Plate	Double-Gang
English	SD-9163-KSQ	SD-9263-KSQ	SD-9363-KSQ	
Spanish	SD-9163-KS1Q	SD-9263-KS1Q	SD-9363-KS1Q	
French	SD-9163-KS2Q	SD-9263-KS2Q	SD-9363-KS2Q	
English w/ mechanical override button	SD-9163-KSVQ	SD-9263-KSVQ	SD-9363-KSVQ*	SD-9463-KSVQ*

Featuring:

- Built-in Timer (0.8~30 seconds or toggle)
- Programmable LED (Red to Green or Green to Red)

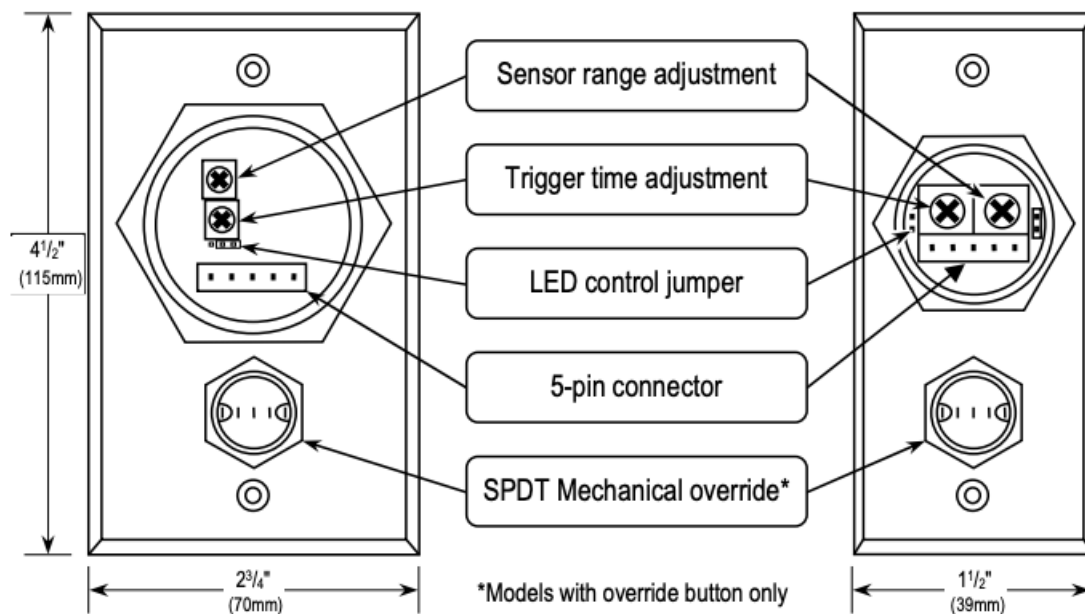
The ENFORCER Outdoor Wave-to-Open Sensor is a full-featured exit plate which uses IR technology to allow egress from a protected area or activate a device with the simple wave of a hand. Since no touch is required, this sensor is suitable for use in hospitals, clinics, labs, cleanrooms (to reduce the risk of contamination), schools, factories, or offices.

*Spanish and French faceplates also available by special order

Features

- Adjustable sensor range up to 7" (18cm)
- Weather resistant for outdoor use (except models with mechanical override button)
- Stainless steel plate
- 1.2A relay, adjustable trigger duration 0.8~30 seconds or toggle
- LED illuminated sensor area for easy identification
- Selectable LED colors (turns from red to green or green to red) to show sensor activated

Overview

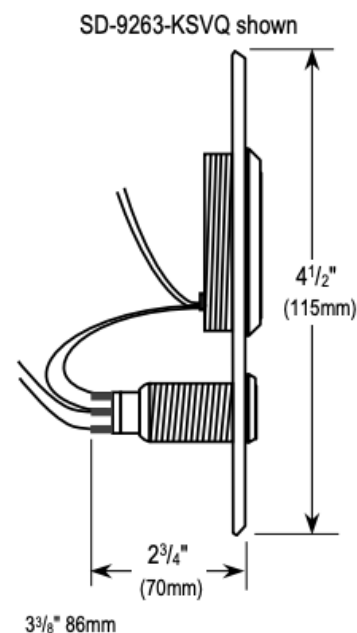


Specifications

Power		12~24 VDC
Current drain (max.)	Standby	16mA@12VDC / 25mA@24VDC
	Triggered	25mA@12VDC / 32mA@24VDC
Relay type		SPDT dry contact, 1.2A@24VDC
Response time		10ms
LEDs	Standby	Red†
	Triggered	Green†
Output time		0.8~30 s, toggle
Range		2"~7" (5~18 cm)
IP rating		IP65‡
Temperature range		-4°~131° F (-20°~55° C)
Weight	Single-gang	3.8-oz (108g)
	Single-gang w/ Mechanical Override	4.4-oz (125g)
	Slimline	2.2-oz (61g)
	Slimline w/ Mechanical Override	2.7-oz (77g)
	European plate	2.7-oz (77g)
	Double-gang w/ Mechanical Override	5.6-oz (160g)

†Color function reversible

‡When properly installed

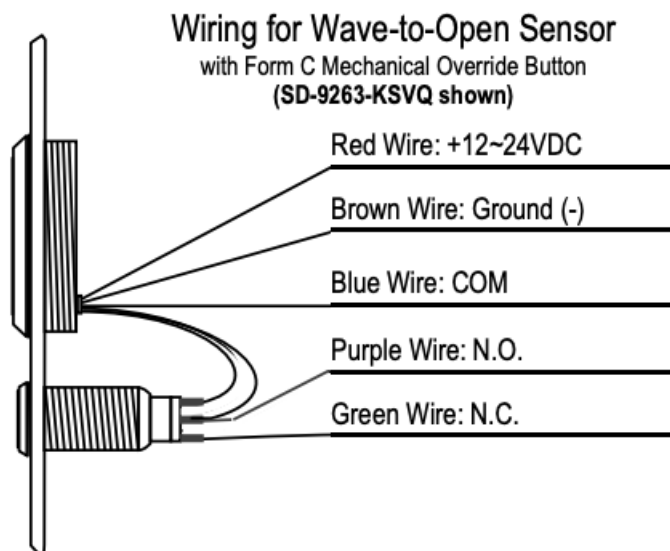
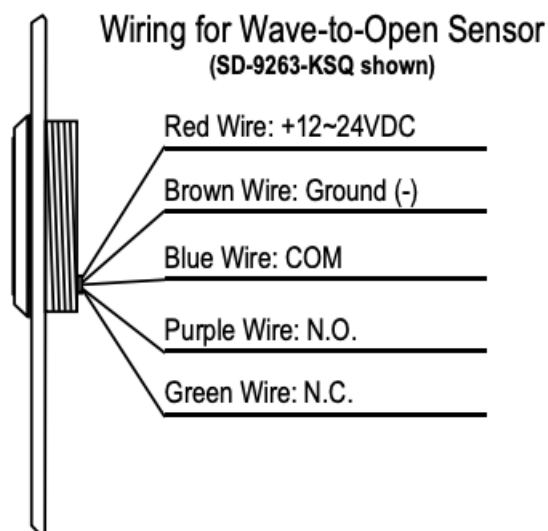


Other Faceplate Dimensions:

European Plate 3 3/8"x3 3/8" (86x86 mm)

Double-Gang 4 1/2"x4 9/16" (116x115mm)

Wiring Diagram



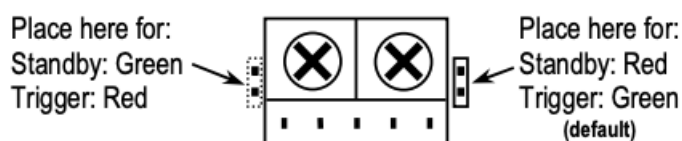
Installation

1. Run four wires through the wall to a single-gang, slimline, or European back box.
2. Connect the four wires from the back box to the Request-to-Exit Sensor according to the **Wiring Diagram** above.
3. For weatherproof installation, use a waterproof back box and apply a bead of silicone sealant (not included) around the rim of the back box and faceplate edge. Apply a small amount of sealant below each screw head.
4. Screw the plate into the back box, taking care not to crimp the wires and ensuring a good seal.
5. Remove clear protective film from the sensor before use.

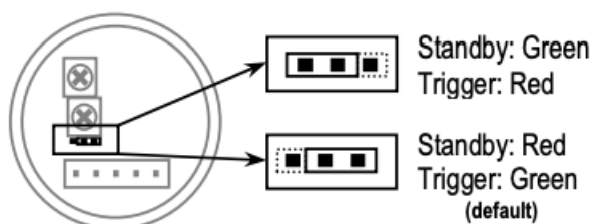
WARNING: Do not connect any device that will exceed 1.2A@24VDC.

Changing the LED Color Jumper Placement

Slimline Models



Single-Gang, Double-Gang, Euro Models



Adjusting the sensor range and trigger time

1. The sensor range can be adjusted from 2"~7" (5~18 cm).
2. The trigger time can be adjusted from 0.8 to 30 seconds or toggle.*

NOTE: Do not force the adjustment trimpots to turn. Only minimal force is needed.



Trigger time: 0.8~30 seconds, toggle*

Default: 0.8 seconds

*Toggle: turn all the way clockwise

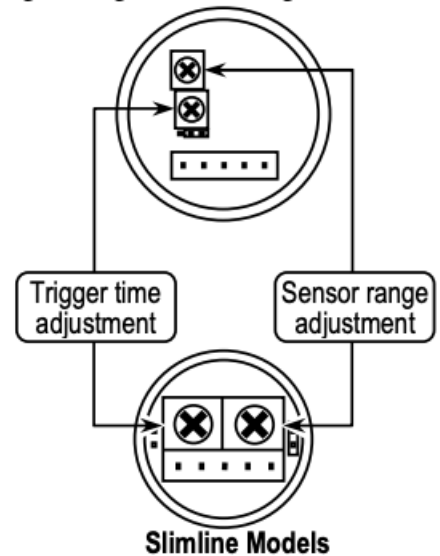


Sensor range: 2"~7" (5~18 cm)

Default: 7" (18cm)

*Set trigger time to maximum for toggle

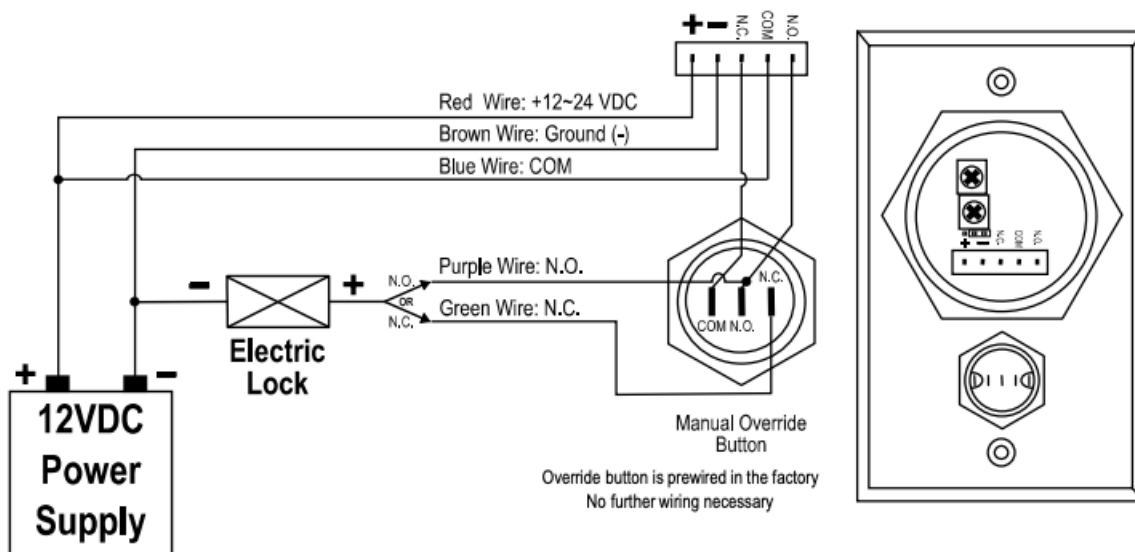
Single-Gang, Double-Gang, Euro Models



Slimline Models

Sample Installation

Typical installation with an electric lock:



Care and Cleaning for the SD-9×63 Series Sensor

The sensor requires special care to ensure reliability and a long operating life.

1. Use a soft, clean cloth for cleaning. Use the mildest type of cleaner available.
2. When cleaning, spray the cleaning solution onto the cleaning cloth instead of the unit.
3. Be sure to wipe off any excess liquid from the sensor. Wet spots may affect the sensor's performance.

IMPORTANT: Users and installers of this product are responsible for ensuring that the installation and configuration of this product complies with all national, state, and local laws and codes related to locking and egress devices. SECO-LARM will not be held responsible for the use of this product in violation of any current

laws or codes.

IMPORTANT WARNING: For a weatherproof installation, ensure the unit is installed in a waterproof back box, and that the faceplate and faceplate screws are properly sealed. Incorrect mounting may lead to exposure to rain or moisture in the enclosure which could cause a dangerous electric shock, damage the device, and void the warranty. Users and installers of this product are responsible for ensuring this product is properly installed and sealed.

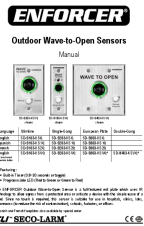
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Documents / Resources



The image shows the cover of the 'ENFORCER Outdoor Wave-to-Open Sensors Manual'. It features the ENFORCER logo at the top, followed by the title 'Outdoor Wave-to-Open Sensors Manual'. Below the title, there are two small diagrams of the sensor units. At the bottom, there is a table of contents and a list of features.

[ENFORCER Outdoor Wave-to-Open Sensors \[pdf\] User Manual](#)
Outdoor Wave-to-Open Sensors

References

- [La Armería de Madrid - fabricantes de armas y rifles](#)
- [- SECO-LARM USA Inc](#)