



# ENFORCER SD-9163-KSQ Outdoor Wave to Open Sensor with Manual Override User Guide

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**ENFORCER SD-9163-KSQ Outdoor Wave to Open Sensor with Manual Override**



## Product Information

The ENFORCER Outdoor Wave-to-Open Sensor is a full-featured exit plate that uses IR technology to allow egress from a protected area or activate a device with the simple wave of a hand. It is designed for outdoor use and is weather-resistant (IP65). The sensor is suitable for various environments such as hospitals, clinics, labs, cleanrooms, schools, factories, or offices. It features a stainless steel plate and comes in slimline or single-gang options. The sensor has an adjustable range of up to 7 inches (18cm) and a 1.2A relay with adjustable trigger duration of 0.5 to 30 seconds. It also has selectable LED colors to indicate sensor activation. Some models include a manual override button that functions without electricity in case of power failure.

## Specifications

- **Model:** SD-9163-KSQ, SD-9263-KSQ, SD-9163-KSVQ, SD-9263-KSVQ
- **Dimensions:** Not specified
- **Operating Voltage:** 12-24 VDC
- **Current Consumption:** 13mA / 15mA (SD-9163-KSQ), 18mA / 23mA (SD-9263-KSQ), 23mA / 28mA (SD-9163-KSVQ), 28mA / 35mA (SD-9263-KSVQ)
- **Contact Rating:** Form C dry contact, 1.2A@24VDC
- **Response Time:** 10mS
- **Trigger Duration:** 0.5 to 30 seconds (toggle)
- **Sensor Range:** 2 to 7 feet (5 to 18cm)
- **Available Faceplates:** English, Spanish, French

## Product Usage Instructions

1. Choose the appropriate model of the Outdoor Wave-to-Open Sensor based on your requirements.
2. Ensure proper installation of the sensor following the provided instructions.
3. Connect the sensor to a power source with a voltage range of 12-24 VDC.
4. Make the necessary wiring connections according to the provided diagram. The purple wire represents the normally open (N.O.) contact, and the green wire represents the normally closed (N.C.) contact. Note that the manual override button is prewired for certain models.
5. Adjust the sensor range up to 7 feet (18cm) as needed.
6. Configure the trigger duration from 0.5 to 30 seconds using the adjustable settings.
7. Select the desired LED color mode to indicate sensor activation (applicable to specific models).
8. In case of power failure, utilize the manual override button to operate the sensor without electricity (applicable to specific models).

Please refer to the user manual for detailed instructions and safety precautions.

## Outdoor Wave-to-Open Sensors

- SD-9163-KSQ Slimline, English\*
- SD-9163-KSVQ Slimline, English, \* Manual Override, ETL UL294 Listed
- SD-9263-KSQ Single-Gang, English\*, ETL UL294 Listed
- SD-9263-KSVQ Single-Gang, English, \* Manual Override, ETL UL294 Listed



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.

## Features

- Weather-resistant (IP65) for outdoor use†
- Clean and simple no-touch operation reduces the risk of cross-contamination
- Adjustable sensor range up to 7" (18cm)
- Stainless steel plate, available in slimline or single-gang

- 1.2A relay, adjustable trigger duration 0.5~30 seconds
- Selectable LED colors (turns from red to green or green to red) to show if the sensor is activated



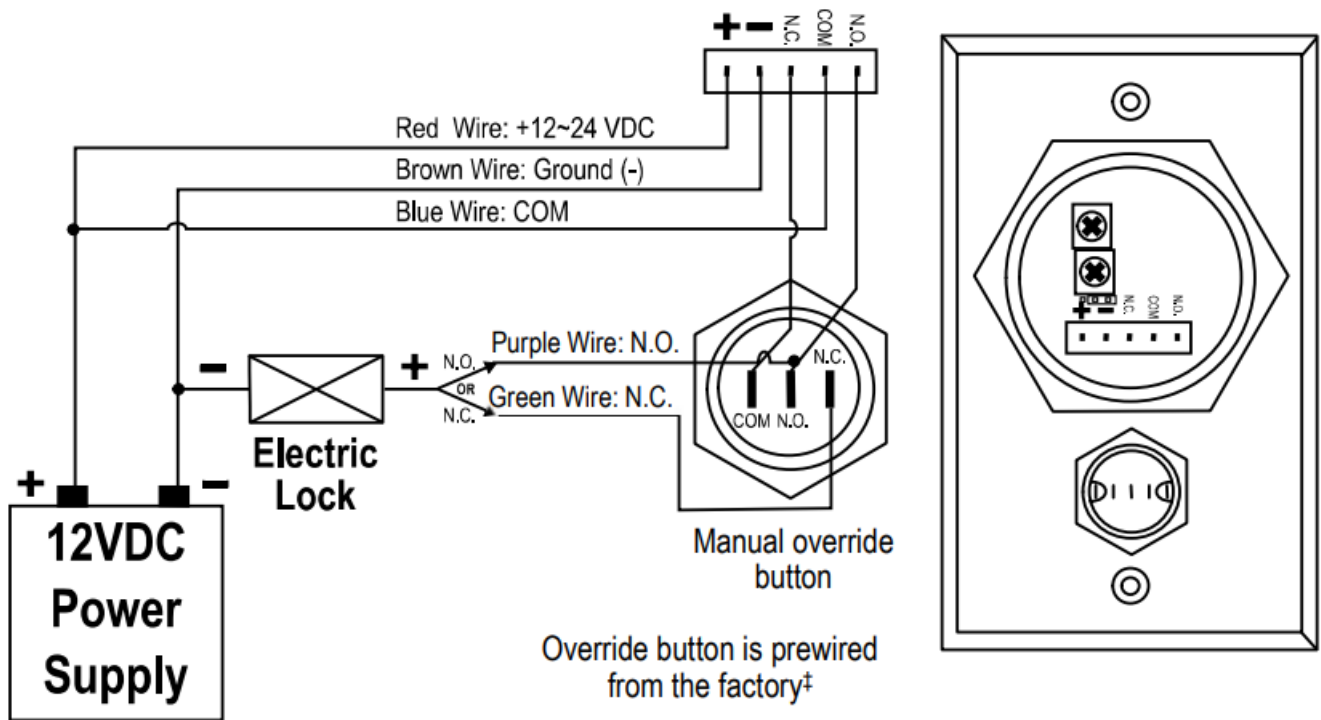
#### SD-9163-KSVQ and SD-9263-KSVQ only

Manual override button functions without electricity in case of power failure

### Specifications

Model		SD-9163-KSQ SD-9163-KSVQ	SD-9263-KSQ SD-9263-KSVQ
Operating voltage		12~24 VDC	
Current draw (max. $\pm 10\%$ )	Standby (12/24 VDC)	13mA / 15mA	18mA / 23mA
	Triggered (12/24 VDC)	23mA / 28mA	28mA / 35mA
Relay type		Form C dry contact, 1.2A@24VDC	
Response time		10mS	
Output time		0.5~30s, toggle	
Range		2"~7' (5~18cm)	
IP Rating		IP65†	
Operating temperature		-4°~131° F (-20°~55° C)	
Dimensions		11/2"x41/2"x11/2"	23/4"x41/2"x11/2"
		(39x115x39 mm)	(70x115x39 mm)

### Sample Installation





#### Ordering Information

Outdoor Wave-to-Open Sensors*						
Model	SD-9163-KSQ	SD-9263-KSQ	SD-9163-KS1Q	SD-9263-KS1Q	SD-9163-KS2Q	SD-9263-KS2Q
Language	English		Spanish		French	
Photo						

\*Also available with European faceplate in English, Spanish, and French models

Outdoor Wave-to-Open Sensors with Override Button			
Model	SD-9163-KSVQ	SD-9263-KSVQ	SD-9463-KSVQ
Language	English†		
Photo			

†Spanish and French faceplates available by special order

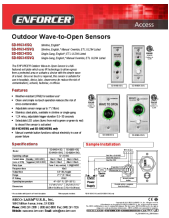
Outdoor Wave-to-Open Sensors – Other Models			<b>Other Models Also Available</b>  <b>For our full line of OEM/private label infrared sensors, contact SECO-LARM</b>
Model	SD-9963-KSGQ	SD-9773-KNEVQ	
Type	Post-Mount	Surface-Mount	
Photo			

SECO-LARM® U.S.A., Inc. 16842 Millikan Avenue, Irvine, CA 92606

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Documents / Resources

	<a href="#">ENFORCER SD-9163-KSQ Outdoor Wave to Open Sensor with Manual Override</a> [pdf] User Guide SD-9163-KSQ Outdoor Wave to Open Sensor with Manual Override, SD-9163-KSQ, Outdoor Wave to Open Sensor with Manual Override, Sensor with Manual Override, Manual Override
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References

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