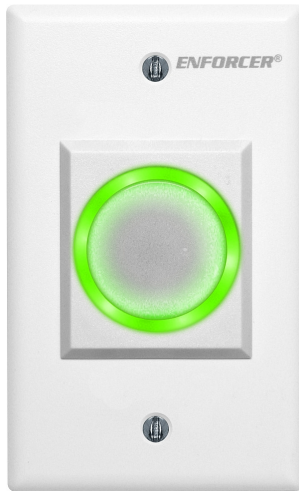# ENFORCER®

SD-927PWCQ

Wave-to-Open Sensor

Manual

The ENFORCER Wave-to-Open Sensor uses IR technology to request 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:

- Range up to 2" (5cm)
- White plastic single-gang plate
- 3A relay, triggers minimum 0.5 sec or as long as hand is near the sensor
- Quick connect screw-less terminal block
- LED illuminated sensor area for easy identification.
- Selectable LED colors (turns from red to green or green to red) to show sensor activated.

SECO-LARM® SLI®

RoHS

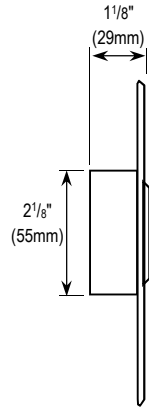## Parts List:

1x Wave-to-Open Sensor   2x Mounting screws   1x Decal set   1x Manual

Specifications:

Operating voltage		12VDC
Current draw (max.)		50mA@12VDC
Relay type		Form C dry contact, 3A@30VDC
Response time		10ms
LEDS	Standby	Red*
	Triggered	Green*
Output time		Minimum 0.5 sec or as long as hand is near the sensor
Sensing range		2" (5cm)
Operating temperature		-4°~131° F (-20°~55° C)
Weight		2.5-oz (70g)

*Default, reversible by jumper
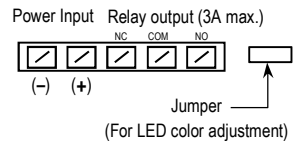
1 1/8" (29mm)

2 1/8" (55mm)

Installation:

1. Run four wires through the wall to a single-gang back-box.
2. Connect the four wires from the back-box to the quick connect terminals according to Fig. 1.
3. Screw the plate into the back-box, taking care not to crimp the wires.
4. Remove clear protective film from the sensor before use.

Adjusting the LED Color:

1. The LED color factory default setting is red (standby) and green (triggered).
2. To reverse the LED color visual indicator to green (standby) and red triggered), remove the jumper located at the right side of the terminal block as shown in Fig. 1.
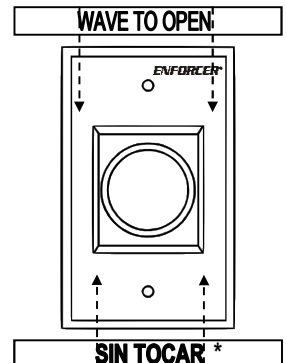
Pasting the Decals

1. Select the appropriate decals in English, French, or Spanish* according to your language requirements.
2. Remove the back sheet of the decal and then set it on the desired location. Use the thin lines on the left and right sides of the text on the decals for alignment, see Fig. 2.
3. After the decal has been placed and set in the desired location, scratch the front of the decal to transfer the text onto the faceplate.
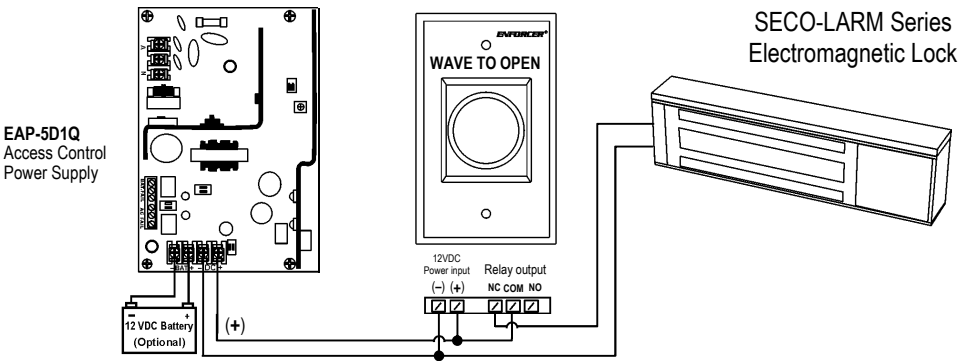
NOTE: The decal needs at least 24 hrs. to fully dry & bond with the surface. Do not touch or scratch until the decal is fully dry.

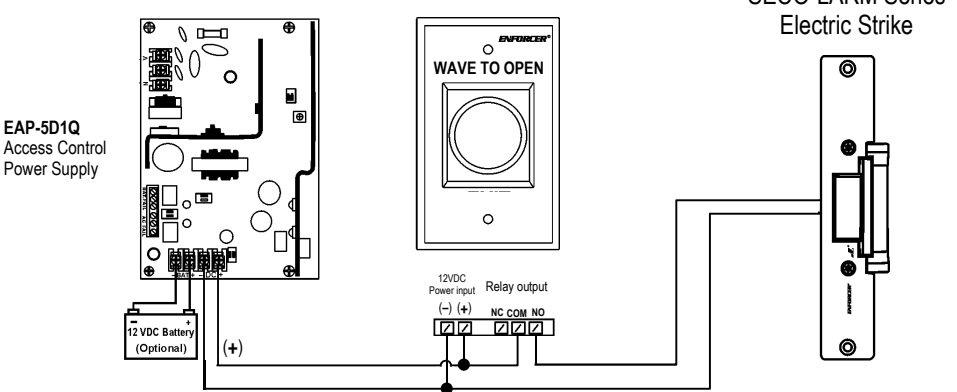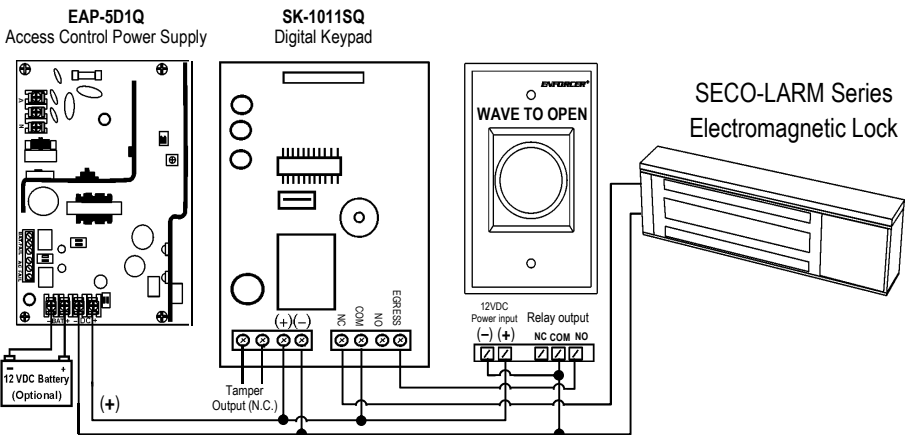*Decals for the lower part of the plate are provided for Spanish and French only.

Fig. 1 Connections (under back cover)

Power Input   Relay output (3A max.)
NC COM NO
(−) (+)
Jumper
(For LED color adjustment)

Fig. 2 Decal Alignment

WAVE TO OPEN
ENFORCER
SIN TOCAR *

Sample Installations:

1. Installation with Electromagnetic Lock (Fail-Safe)

SECO-LARM Series
Electromagnetic Lock

EAP-5D1Q
Access Control
Power Supply

WAVE TO OPEN

12VDC Power input Relay output
(−) (+) NC COM NO

12 VDC Battery (Optional) (+)

2. Installation with Electric Door Strike (Fail-Secure)

SECO-LARM Series
Electric Strike

EAP-5D1Q
Access Control
Power Supply

WAVE TO OPEN

12VDC Power input Relay output
(−) (+) NC COM NO

12 VDC Battery (Optional) (+)

3. Installation with Electromagnetic Lock and Keypad

EAP-5D1Q
Access Control Power Supply

SK-1011SQ
Digital Keypad

WAVE TO OPEN

SECO-LARM Series
Electromagnetic Lock

EGRESS

(+)(−) NC COM NO

12VDC Power input Relay output
(−) (+) NC COM NO

12 VDC Battery (Optional) (+)

Tamper Output (N.C.)

Care and Cleaning for the SD-927PWCQ Wave-to-Open Sensor:

The SD-927PWCQ is designed for indoor use to match most interiors. The sensor and decals require special care to ensure reliability and a long operating life.

1. Use a soft, clean cloth for cleaning to avoid scratching the decals or sensor.

2. Use the mildest cleaner available. Strong cleaning chemicals may damage the decals.

3. When cleaning, spray the cleaning solution onto the cleaning cloth instead of the unit.

4. Be sure to wipe off any excess liquid from the sensor. Wet spots or areas 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.

WARNING: Incorrect mounting which leads to exposure to rain or moisture inside the enclosure could cause a dangerous electric shock, damage the device, and void the warranty.

SECO-LARM® U.S.A., Inc.

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