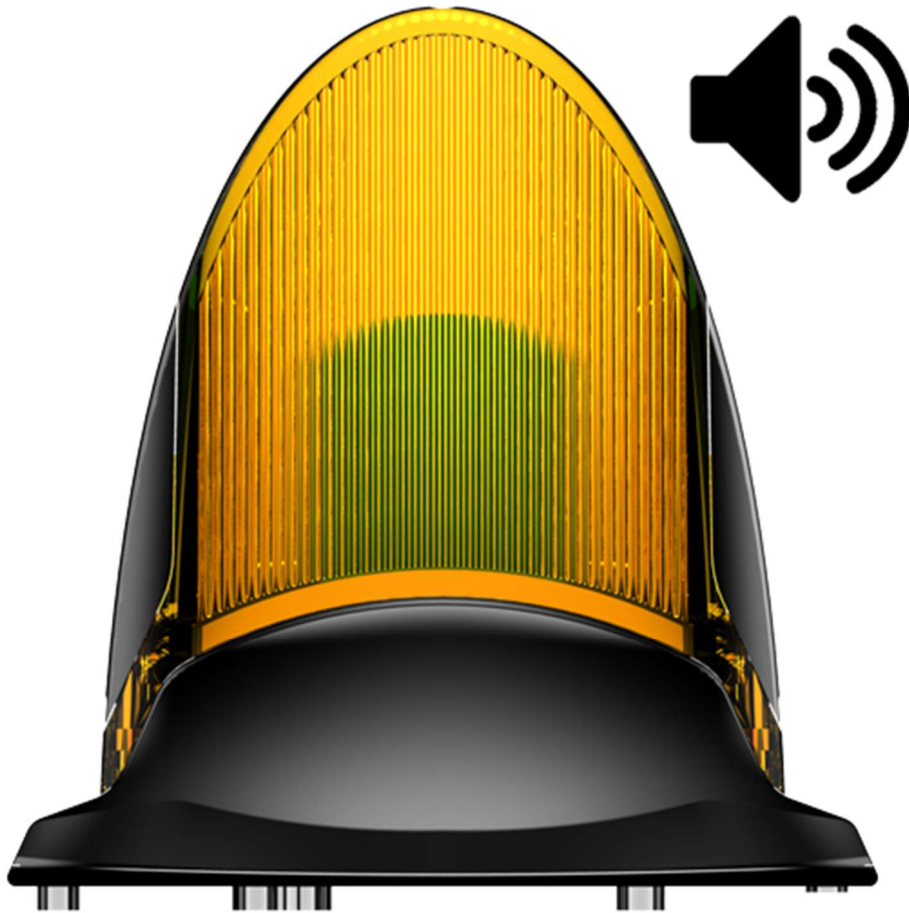


SFL

Flashing Lamp With Buzzer



KONTAL

CE

Before operating the device, be sure to read this user manual carefully. Follow the steps described in the installation, electrical connection, and initial startup sections with attention. After completing these steps, the product owner/user must keep this manual in a known and easily accessible location for the entire service life of the product.



- Store the product in a dry environment. Otherwise, malfunctions may occur.
- In battery- or accumulator-powered products, batteries and accumulators are not covered under warranty. Similarly, failures caused by battery discharge or leakage in products that have exceeded their shelf life are not covered under warranty.
- All service and repair operations must be carried out exclusively by Kontal Elektronik technical service. The product must not be tampered with by unauthorized personnel.
- The operating voltage of each product is indicated on the label. Do not supply the device with a voltage different from the specified value.



- ✓ Failure to comply with the above-mentioned conditions may result in fire, serious personal injury, or damage to the product or the structure in which it is installed. In such cases caused by user negligence or misuse, **Kontal Elektronik San. ve Tic. Ltd. Şti.** assumes no responsibility.
- ✓ This symbol will be used to highlight important notes in the following sections.



- ✓ Do not touch the power supply terminals of the device with bare hands.
- ✓ This symbol will be used to indicate warnings related to voltage in the following sections.



- ✓ This symbol on the label indicates that the device operates with a DC supply voltage.



- ✓ This symbol on the label indicates that the device is equipped with reinforced insulation.



- ✓ This symbol on the product or its packaging indicates that the product must not be disposed of as household waste. Instead, it should be delivered to designated collection points for the recycling of electrical and electronic equipment. Improper disposal or destruction of the product may have adverse effects on the environment and human health.



- ✓ This document and its revisions are the legal property and responsibility of **KONTAL ELEKTRONİK SAN. VE TİC. LTD. ŞTİ.** Any unauthorized modification or alteration is strictly prohibited.



- ✓ Ensure that the system is properly grounded for the device to operate reliably.

1. DEFINITION

The **SFL** is a signaling device designed to support safe passage in automatic doors, barrier systems, and industrial access control points. It features a high-visibility LED flasher combined with an integrated buzzer to provide both visual and audible alerts. Thanks to its dual voltage support—operating on both **220V AC** and **24V DC**—it can be easily integrated into a wide range of systems.

With an **IP42 protection rating**, the SFL is suitable for indoor use and outdoor environments not directly exposed to water. Its **UV-resistant acrylic light surface** and **impact-resistant compact housing** ensure long-lasting durability and reliable performance. The LED-based design delivers maximum luminous intensity with minimal energy consumption, while the built-in buzzer module provides effective auditory warnings.

Its aesthetically refined design makes it a versatile and effective alerting solution for applications ranging from turnstile access points to in-factory guidance systems.

1.1 BOX CONTENT

The contents of the **SFL - Flashing Lamp With Buzzer** package are specified as follows;

1x SFL - Flashing Lamp With Buzzer	1x SFL User Manual
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**For custom orders, the package contents may vary depending on the project requirements or customer specifications.*

2. TECHNICAL SPECIFICATIONS

Model	SFL
Product Code	K029-01
Working Voltage	24V DC / 220V AC
Working Current	12mA @ 220V AC / 40mA @ 24V DC
Operating Noise Level	~ 85 – 95 dBA @ 1 m
Working Temprature	-20 °C +55 °C
Light Surface	UV Acrilic
IP Rating	IP42
Mounting Surfaces	Flat Surface / 25mm Diameter Pipe
Weight	226gr
Dimensions	145 x 150 x 70 mm

3. USER ADJUSTMENT COMPONENTS

A. SFL - Flashing Lamp With Buzzer User Adjustment Components

- a. JMP1: This component allows you to set the operating mode of your device.
(See also: [Selection and Adjustment of Operating Modes for the SFL Flasher](#))
- b. JMP2: This component allows you to set the operating mode of your device.
(See also: [Selection and Adjustment of Operating Modes for the SFL Flasher](#))

4. SFL CONTROL BOARD

The control board of the SFL - Flashing Lamp With Buzzer is shown in Figure 4.1.

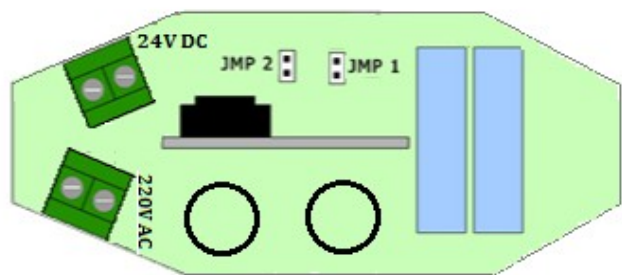


Figure 4.1- SFL control board

4.1 SFL Control Board Installation and Initial Startup

- a. First, remove the top cover of your device. (See also: [Installation Figures 1-2-3](#))
- b. Determine the operating mode of your device using JMP1 and JMP2. (See also: [Adjustment of SFL Operating Modes](#))
- c. Connect the power supply of your device according to the desired voltage level.



Pay close attention to the “+” and “-” polarity when making the power connections for the device!



Do not touch the connection points under any circumstances after making the power connections to the device!

- d. Close the top cover of your device. (See also: [Installation Figure 6.3](#))

5. ADJUSTMENT OF SFL OPERATING MODES

JUMPER STATE	WORKING MODE
	Buzzer passive (close).
	Buzzer active (open).
	The flasher LEDs and the integrated buzzer operate synchronously at approximately 1-second intervals. This timing creates a cycle of roughly 1 second between each flash and audible alert.
	The flasher LEDs and the integrated buzzer operate synchronously at approximately 1-second intervals. This period creates a cycle of about 0.5 seconds between each flash and audible alert.

6. INSTALLATION

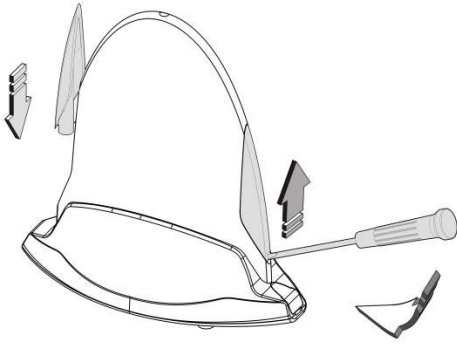


Figure 6.1 – Removal and Attachment of SFL Side Brackets

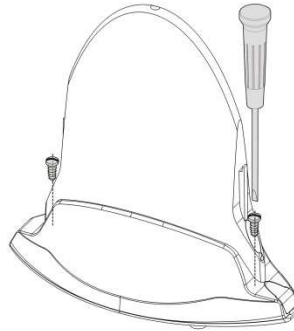


Figure 6.2 – Removal and Attachment of SFL Screws

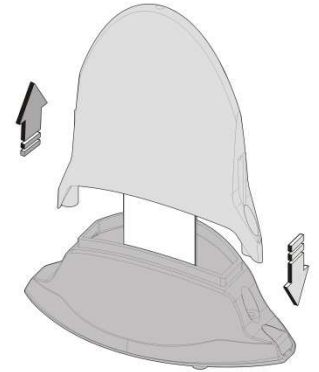


Figure 6.3 – Removal and Attachment of the SFL Top Cover

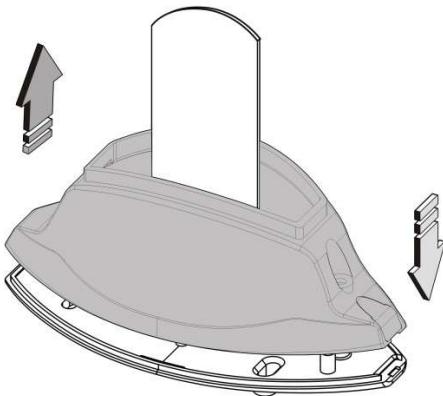


Figure 6.4 – Removal and Attachment of the SFL Plastic Bottom Cover

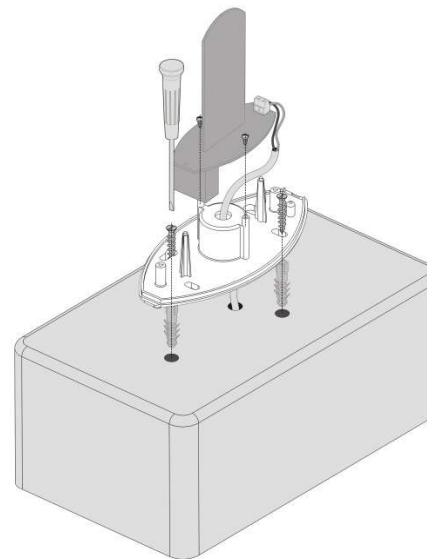


Figure 6.5 – SFL Cable Connections and Surface Mounting

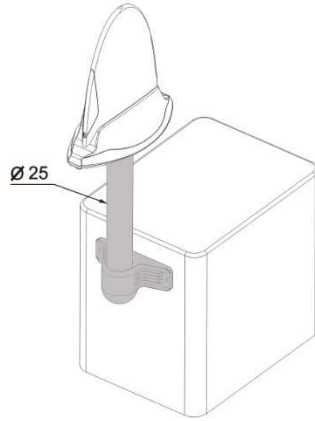


Figure 6.8 – SFL Pipe Mounting Brackets ***

Figure 6.9 – Mounting the SFL on a Pipe Surface

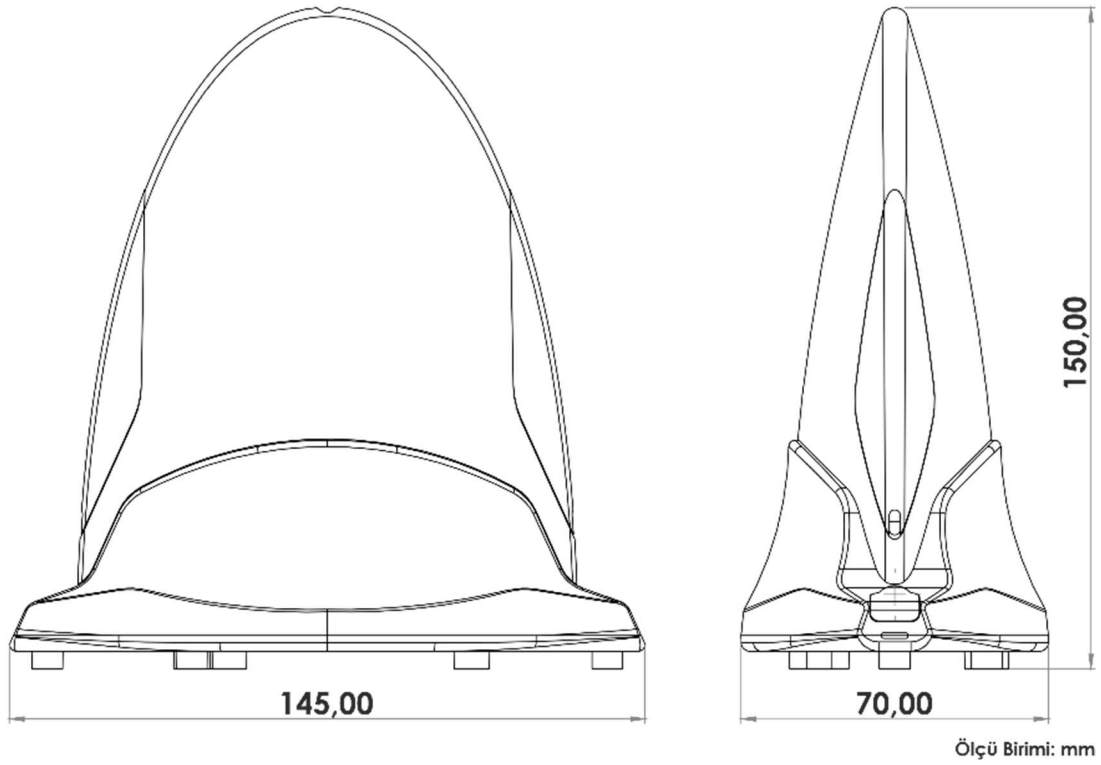


Figure 6.10 – SFL Dimensions (Unit: mm)

***Pipe mounting brackets for the SFL are available upon request. Therefore, they must be specifically indicated at the time of order; otherwise, a separate order will be required for the mounting brackets.

7. CONNECTION DIAGRAM

The connection diagram for the SFL - LED Illuminated Flasher is shown below.

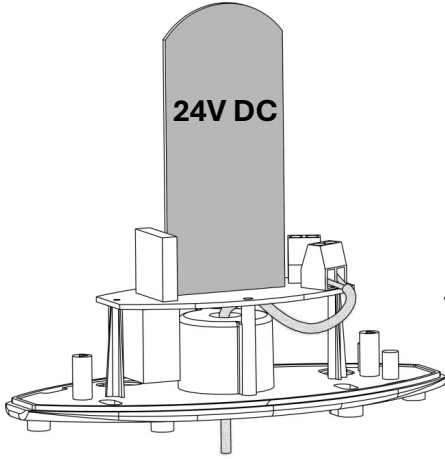


Figure 6.1 – Connecting the SFL to 24V DC.

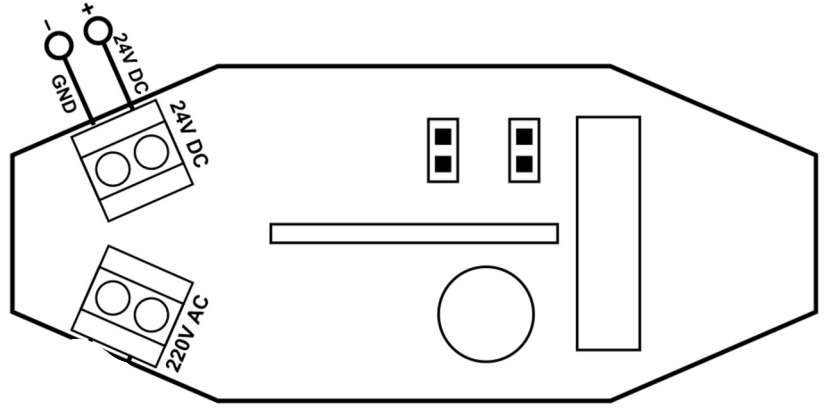


Figure 6.2 – Connecting the SFL to 24V DC.

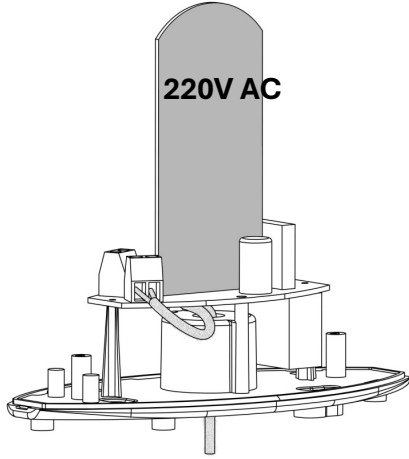


Figure 6.3 – Connecting the SFL to 220V AC.

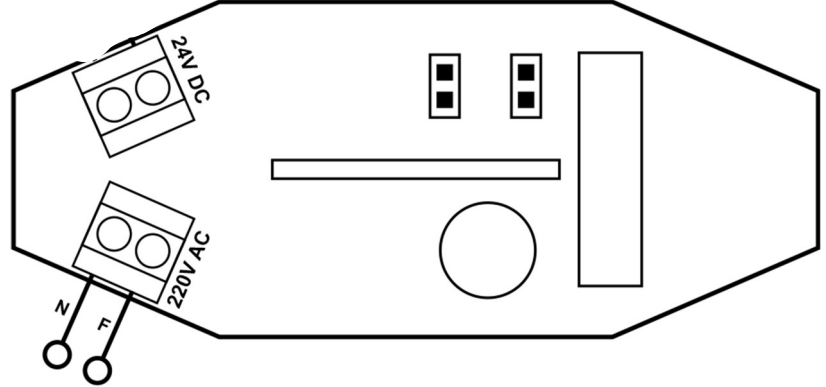


Figure 6.4 – Connecting the SFL to 220V AC.



For powering the audible flasher board, a power cable with a minimum cross-section of $2 \times 0.75 \text{ mm}^2$ should be used. If the device is to be integrated into a system without fuse protection, a fast-acting 1A fuse must be installed on the live (L) line before energizing the neutral (N) and live (L) terminals.



For stable operation of the device, it is recommended to use a power supply with a minimum output power of 2.4W on the 24V DC supply line.

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