AES EL00W Wired Exit Loop Installation Guide

Contents

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Specifications

- MODELS: EL00W & EL00W-RAD
- Input Voltage: 12-24VDC
- Relay Connections: NC/COM/NO
- Relay Contact Ratings: 1A
- Current: Standby 20mA and active 30mA

Product Information

The e-Loop Wired system is designed for high operational sites and provides a quick and easy solution for fitting wired induction loops. It offers surface mount, flush mount, and concealed fitting options for different modes.

Safety Instructions

Before installation, ensure all materials are in good working order and suitable for the intended application. Installation must be carried out by an authorized specialist to prevent risks associated with electric power.

Installation Instructions

1. **Step 1:** Select the fitting method: surface mount, flush mount, or concealed.
2. **Step 2:** Cut the line from the e-loop to the controller, prepare the groove, and fix the loop into position using Sikaflex adhesive.
3. **Step 3:** Wire the loop into the gate controller. Once powered up, the e-LOOP will automatically calibrate and be ready for use.

FAQ

Q: Can the e-Loop Wired system be used for both entrance and exit modes?

A: The system supports surface mount and flush mount for the presence mode loop and only surface mount for the exit mode loop.

Q: What are the contact ratings of the relay connections?

A: The relay connections have a contact rating of 1A.

Q: What is the standby current consumption of the system?

A: The standby current consumption is 20mA.

Specifications

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Wired e-LOOP Instructions

- The e-Loop Wired system was designed for high operational sites and is a quick and easy solution to fitting wired induction loops. Just one simple line trace to cut or cover wire with cable cover for complete surface mount option without the need for any site works.
- Fitting options are surface mount and flush mount for the presence mode loop, or surface mount, flush mount or completely concealed for the exit mode.
- Wires direct to gate controller inputs. No need for additional transceiver.
- Wireless connection is still available for connection of diagnostic tools as per all the e-Loop range.

Safety instructions
Before proceeding with the product's installation, check that all the materials are in good working order and suited to the intended applications. Danger due to electric power. Contact with live parts may result in an electric current flowing through the body. Electric shock, burns, or death may result. Installation must be done by an authorized specialist.

Installation in 3 simple steps

First, select the method of fitting;
surface mount, flush mount or concealed.

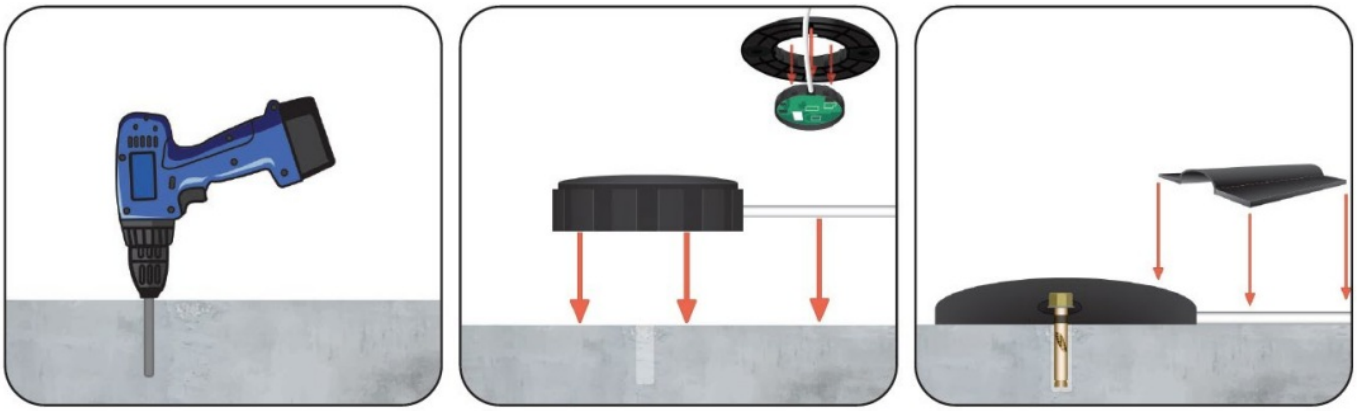
STEP 1:
Cut the line from the e-loop to the controller around 0.5" deep using a double blade, so grove is wide enough to fit the 0.16" diameter cable. Bolt the surface mount style to the concrete using the concrete screws provided, or core bore a hole 2.7" diameter x 0.9" deep for flush mount, or 1.5" deep for concealed.

STEP 2:

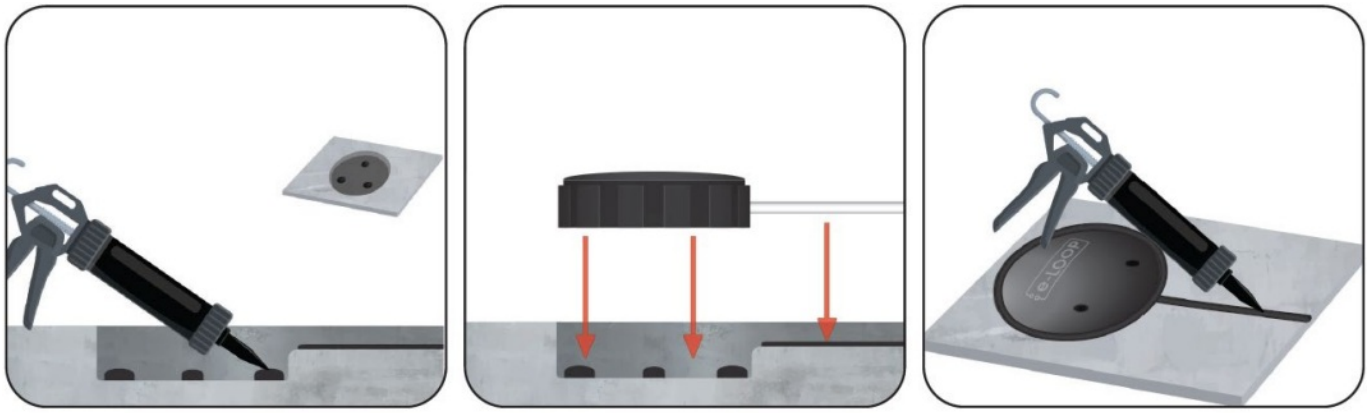
Using Sikaflex rubberised adhesive fill the base of the grove up 0.19” then sit the wire into position and add a top layer of Sikaflex to fully seal the cable. For flush mount apply Sikaflex in the base in a number of positions of the 0.9” deep hole, then press down on the e-loop until it is flush with the surface. For concealed, simply sit in the hole and cover with driveway base material or a resin.

STEP 3:
Wire into the gate controller. Once powered up the e-LOOP will automatically calibrate and will be ready to use.

Surface Mount

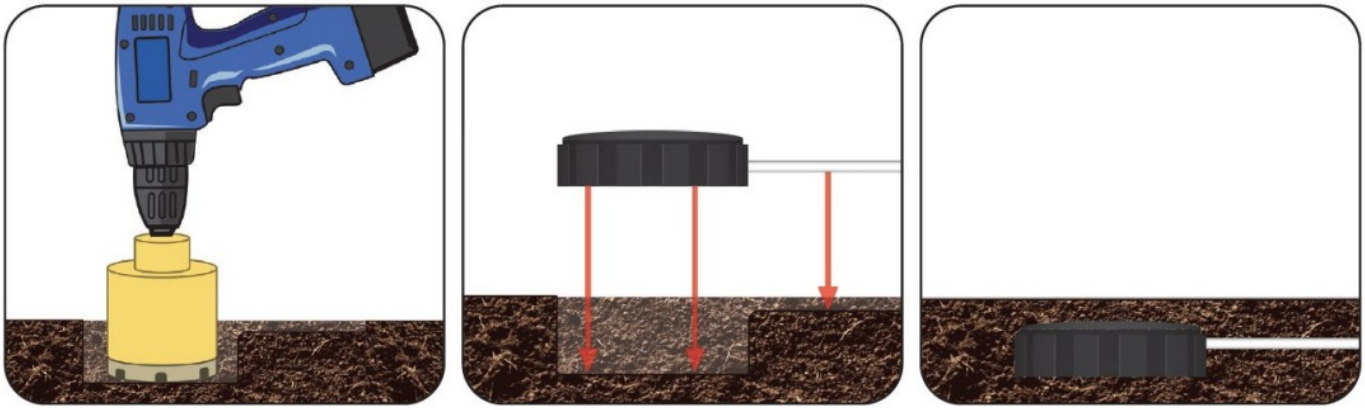


Flush Mount

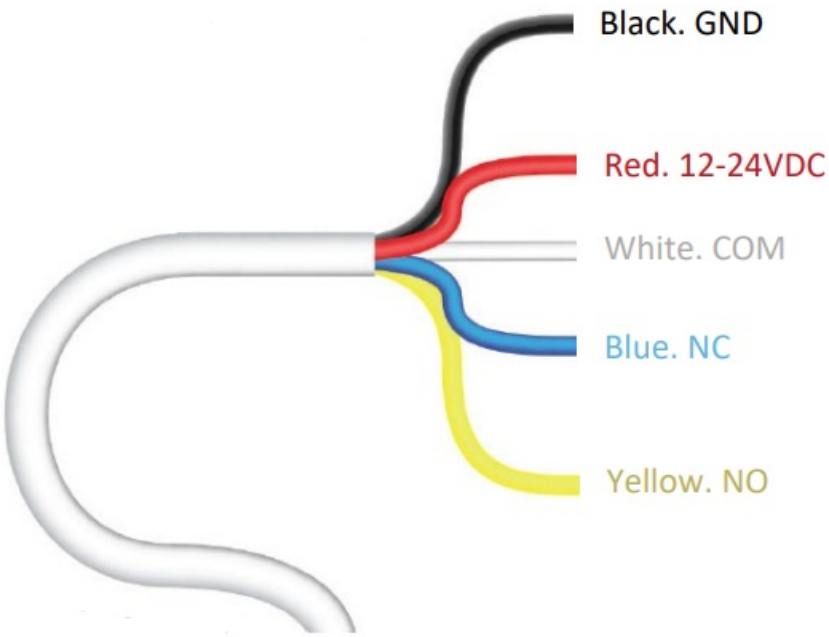


Concealed

(Note Exit mode loop only)



Wiring Diagram



Disposal
The packaging must be disposed of in the local recyclable containers. According to the European Directive 2002/96/EC on waste electrical equipment, this device must be properly disposed of, after usage in order to ensure a recycling of the materials used. Old accumulators and batteries may not be disposed of in the household waste, since they contain pollutants and must be properly disposed of in municipal collection points or in the containers of the dealer provided. Country-specific regulations must be observed.

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Documents / Resources

	AES EL00W Wired Exit Loop [pdf] Installation Guide EL00W Wired Exit Loop, EL00W, Wired Exit Loop, Exit Loop, Loop

References

- AES Global LLC | Gate Intercoms | Florida
- User Manual