microtech EL00W, EL00W-RAD Wired Exit Loop Installation Guide

Contents

microtech EL00W, EL00W-RAD Wired Exit Loop

Specifications

- **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 both presence mode loop and exit mode.

Product Usage Instructions

Installation Steps:

1. **STEP 1: Fitting Method Selection**
   Select surface mount, flush mount, or concealed fitting for the loop.
2. **STEP 2: Installation**
   - **Surface Mount:** Bolt the surface mount style to concrete or core bore a hole for flush mount/concealed. Fill the base with Sikaflex, position the wire, seal with Sikaflex.
   - **Flush Mount:** Apply Sikaflex in the base, press the e-loop into the hole until flush with the surface.
   - **Concealed:** Place in the hole and cover with driveway base material or resin.
3. **STEP 3: Wirin**
   Wire into the gate controller. The e-loop will auto-calibrate upon power-up.

Wiring Diagram

- Black – GND
- Red – 12-24VDC
- White – COM
- Blue – NC
- Yellow – NO

Frequently Asked Questions (FAQ)v

- Q: Can the e-Loop Wired system be used for both presence mode and exit mode loops?
  A: Yes, the system supports both presence mode and exit mode loops with suitable fitting options.
- Q: What is the current consumption of the e-Loop Wired system?
  A: The system has a standby current of 20mA and an active current of 30mA.

EL00W & EL00W-RAD Specifications

- Input Voltage: 12-24VDC
- Relay Connections: NC/COM/NO
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- Current: standby 20mA and active 30mA

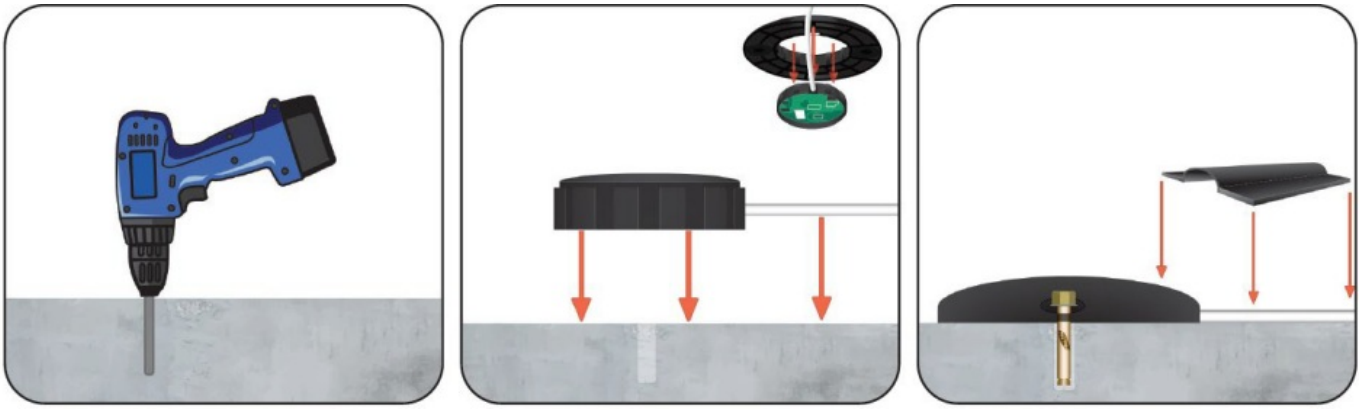
Wired e-Loop Instructions

Installation in 3 simple steps
First, select the method of fitting; surface mount, flush mount or concealed.

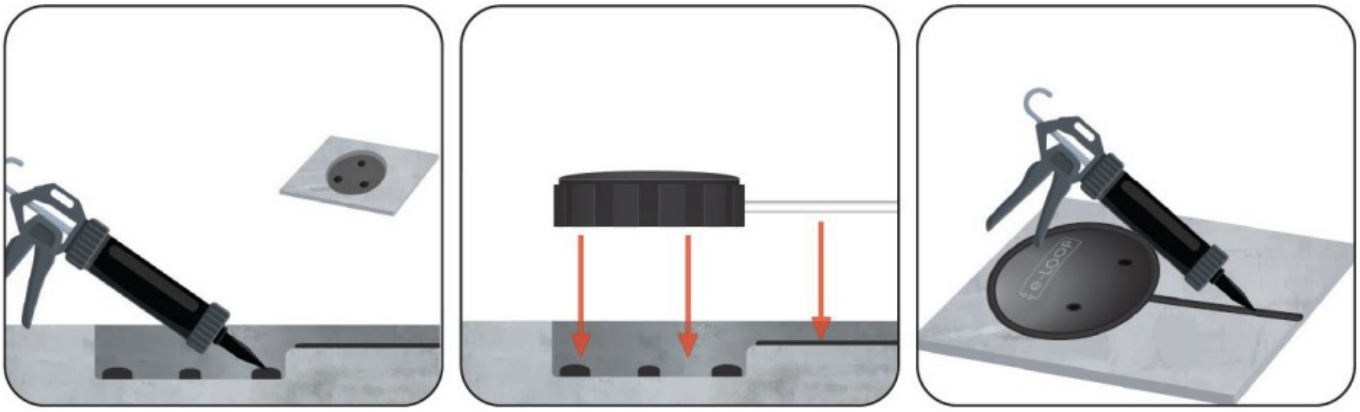
1. **STEP 1:**
   Cut the line from the e-loop to the controller around 15mm deep using a double blade, so grove is wide enough to fit the 4.1mm diameter cable. Bolt the surface mount style to the concrete using the concrete screws provided, or core bore a hole 70mm diameter x 25mm deep for flush mount, or 40mm deep for concealed.
2. **STEP 2:**
   Using Sikaflex rubberised adhesive fill the base of the grove up 5mm 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 25mm 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.
3. **STEP 3:**

Wire into the gate controller. Once powered up the e-loop will automatically calibrate and will be ready to use.

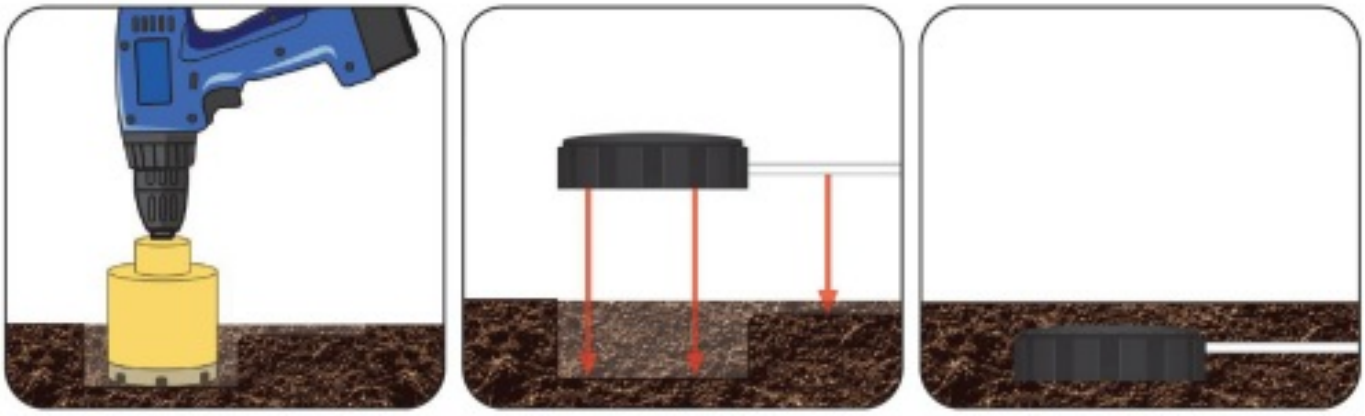
Surface Mount

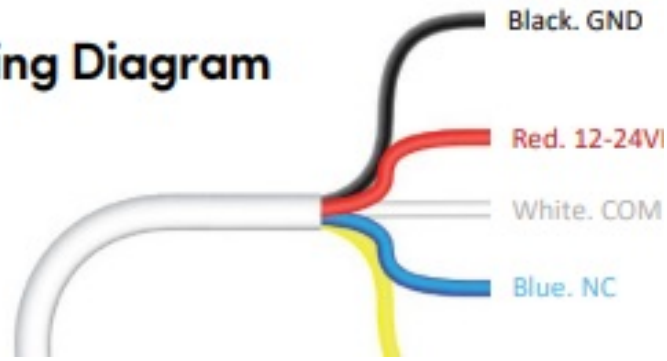


Flush Mount



Concealed Note: Exit mode loop only





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Documents / Resources

	microtech EL00W, EL00W-RAD Wired Exit Loop [pdf] Installation Guide EL00W, EL00W-RAD, EL00W EL00W-RAD Wired Exit Loop, EL00W EL00W-RAD, Wired Exit Loop, Exit Loop, Loop

References

- Microtech Designs
- User Manual